

61:26:24 978 459

| | | | | 1.162 | 978 | 450 | 105 |
|----------|--------------------------------------|--|------------|--|--------------------|--------------|-----|
| | | | | 1,162 | 978 | 459 | 195 |
| PKG | Category | Sub Category | Topic # | Topic | Video Duration | Sim | Int |
| | | | | | | | |
| ES | Science as Inquiry | Understandings about Scientific Inquiry | 1. | Lenses | 0:05:20 | $\sqrt{}$ | |
| ES | Physical Science | Properties of Objects and Materials | 1. | Matter and its Properties | 0:02:46 | , | |
| ES | Physical Science | Properties of Objects and Materials | 2. | Properties of Materials (Colours and Shapes) | | V | |
| ES | Physical Science | Properties of Objects and Materials | 3. | Physical Characteristics of Different Materials | 0.02.14 | $\sqrt{}$ | |
| ES | Physical Science | Properties of Objects and Materials | 4. | Distinguishing a Physical Change from a Chemical Change | 0:03:14 | 1 | |
| ES | Physical Science | Properties of Objects and Materials | 5. | Temperature Units and their Inter- Conversion | 0:04:14 | V | |
| ES | Physical Science | Properties of Objects and Materials | 6. | Density (Part-1) | 0:05:09 | V | |
| ES | Physical Science | Properties of Objects and Materials | 7. | Kinetic Theory of Matter-1 (SOLID) | 0:05:27 0:03:42 | | |
| ES | Physical Science | Properties of Objects and Materials | 8. 9. | Floating and Sinking | | V | |
| ES ES | Physical Science Physical Science | Properties of Objects and Materials Properties of Objects and Materials | 9. 10. | Separation of Mixtures using Sublimation Separation of Soluble Components from a Mixture | 0:01:51 0:02:45 | | |
| ES | Physical Science | Properties of Objects and Materials Properties of Objects and Materials | 10. 11. | Physical Nature of Matter | 0:02:19 | | |
| ES | Physical Science | Properties of Objects and Materials Properties of Objects and Materials | 12. | Molecular Arrangement in Three States of Matter | 0:03:16 | | |
| ES | Physical Science Physical Science | Properties of Objects and Materials Properties of Objects and Materials | 13. | Molecular Arrangement in Timee States of Matter Molecular Arrangement in Gases | 0:03:13 | | |
| ES | Physical Science | Properties of Objects and Materials | 14. | Molecular Arrangement in Gases Molecular Arrangement in Liquids | 0:02:53 | | |
| ES | Physical Science | Properties of Objects and Materials | 15. | Molecular Arrangement in Solids | 0:02:53 | | |
| ES | Physical Science | Properties of Objects and Materials | 16. | The Three States of Matter | 0:02:44 | | |
| ES | Physical Science | Properties of Objects and Materials | 17. | The Three Phases of Water | 0:02:46 | | |
| ES | Physical Science | Properties of Objects and Materials | 18. | States of Matter | 0:03:16 | | |
| ES | Physical Science | Properties of Objects and Materials | 19. | States of Matter (Part - II) | 0:02:45 | \checkmark | |
| ES | Physical Science | Position and Motion of Objects | 1. | Forces and Motion | 0:05:16 | | |
| ES | Physical Science | Position and Motion of Objects | 2. | Gravity | 0:02:33 | | |
| ES | Physical Science | Position and Motion of Objects | 3. | Force: A Push or a Pull | 0:02:22 | | |
| ES | Physical Science | Position and Motion of Objects | 4. | Effects of Force | 0:03:01 | | |
| ES | Physical Science | Position and Motion of Objects | 5. | Sound and Hearing | 0:04:48 | | |
| ES | Physical Science | Position and Motion of Objects | 6. | Loud and Soft Sound | 0:03:12 | | |
| ES | Physical Science | Position and Motion of Objects | 7. | Transmission of Sound | 0:05:12 | \checkmark | |
| ES | Physical Science | Position and Motion of Objects | 8. | Sound | 0:03:52 | | |
| ES | Physical Science | Position and Motion of Objects | 9. | The Propagation of Sound Waves through Air | 0:04:34 | | |
| ES | Physical Science | Position and Motion of Objects | 10. | Propagation of Sound Waves through Different Media | 0:02:47 | \checkmark | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 1. | Light and Shadow | 0:03:39 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 2. | Transparent, Translucent, and Opaque Objects | 0:02:39 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 3. | Colour of Objects | 0:05:21 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 4. | Reflection of Light and its Laws | 0:04:08 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 5. | Curved Mirrors | 0:03:24 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 6. | Lenses | 0:05:20 | √, | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 7. | Image Formation in a Convex Lens | 0:05:16 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 8. | Periscope | 0:05:43 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 9. | Thermal Conductors and Insulators | 0:02:19 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 10. | Heat Energy | 0:03:47 | , | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 11. | Transfer of Heat (Conduction) | 0:04:12 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 12. | Electricity Around Us | 0:05:15 | | |

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|-----|-------------------------|--|------------|---|-------------------|--------------|-----------|
| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 13. | Bulb Connected to a Cell | 0:03:50 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 14. | Electric Components and Symbols | | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 15. | Electric Bell | 0:03:30 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 16. | Direct and Alternating Current | 0:07:24 | \checkmark | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 17. | Magnetic Field due to a Straight Wire Carrying Current (Part-1) | 0:06:02 | \checkmark | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 18. | Magnetic Field due to a Straight Wire Carrying Current (Part-2) | 0:03:09 | $\sqrt{}$ | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 19. | Make Your Own Magnet | 0:01:57 | | |
| ES | Physical Science | Light, Heat, Electricity and Magnetism | 20. | Magnetic Properties of Iron and Steel | 0:01:15 | | |
| ES | Life Science | The Characteristics of Organisms | 1. | What is a Habitat? | 0:05:42 | | |
| ES | Life Science | The Characteristics of Organisms | 2. | Living and Non-Living Things | | $\sqrt{}$ | |
| ES | Life Science | The Characteristics of Organisms | 3. | Parts of Animal | | \checkmark | |
| ES | Life Science | The Characteristics of Organisms | 4. | Parts of Plant | | | $\sqrt{}$ |
| ES | Life Science | The Characteristics of Organisms | 5. | Parts of the Body | | \checkmark | |
| ES | Life Science | The Characteristics of Organisms | 6. | Leaves of Plants | 0:07:51 | | |
| ES | Life Science | The Characteristics of Organisms | 7. | The Beautiful Flower | 0:02:22 | | |
| ES | Life Science | The Characteristics of Organisms | 8. | Primary Functions of Roots | 0:04:23 | | |
| ES | Life Science | The Characteristics of Organisms | 9. | Muscular System | 0:02:24 | | |
| ES | Life Science | The Characteristics of Organisms | 10. | Incredible Human Machine (I) | 0:02:58 | | |
| ES | Life Science | The Characteristics of Organisms | 1. | Locomotion in animals | 0:02:48 | | |
| ES | Life Science | Life Cycles of Organisms | 1. | Life Cycle of a Butterfly | 0:04:40 | | |
| ES | Life Science | Life Cycles of Organisms | 2. | Pollination and Fertilization | 0:05:18 | | |
| ES | Life Science | Organisms and Environments | 1. | Food Chain | 0:04:00 | | |
| ES | Life Science | Organisms and Environments | 2. | The Food Web | 0:05:55 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 1. | Rock Cycle | 0:03:57 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 2. | Groundwater | | V | |
| ES | Earth and Space Science | Properties of Earth Materials | 3. | Layers of the Earth's Atmosphere | 0:06:00 | $\sqrt{}$ | |
| ES | Earth and Space Science | Properties of Earth Materials | 4. | Importance of Forests | 0:04:45 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 5. | Clastic Sedimentary Rocks | 0:04:44 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 6. | Chemical and Organic Sedimentary Rocks | 0:06:09 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 7. | Igneous Rocks | 0:04:05 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 8. | Metamorphic Rocks | 0:03:08 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 9. | Properties of Soil and its Uses | 0:05:41 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 10. | Soil Horizons | 0:05:17 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 11. | Composition of Soil | 0:04:38 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 12. | Sandy Soil | 0:03:43 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 13. | Clay Soil | 0:04:40 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 14. | Silt Soil | 0:03:46 | | |
| ES | Earth and Space Science | Properties of Earth Materials | 15. | Causes of Soil Damage and its Conservation | 0:06:55 | | |
| ES | Earth and Space Science | Objects in the Sky | 1. | Day and Night Cycle | 0:03:08 | , | |
| ES | Earth and Space Science | Objects in the Sky | 2. | Comet | | V | |
| ES | Earth and Space Science | Objects in the Sky | 3. | Eclipse | | V | |
| ES | Earth and Space Science | Objects in the Sky | 4. | Formation and Types of Clouds | 0:04:12 | V | |
| ES | Earth and Space Science | Objects in the Sky | 5. | The Moon | 0:03:19 | | |

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| PKC Category Sith Topic Propic Propic Sim Int | | | | | 1,162 | 61:26:24 978 | 459 | 195 |
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| Start and Space Science Objects in the Sky 6. The Sun in the Sky 0.00319 | DIZC | G. A | Sub | Topic | | | | |
| ES Earth and Space Science OSjects in the Sky 8. The Sum (Part 1) 0.05.25 √ | PKG | Category | Category | | Торіс | Duration | Sim | Int |
| Es Earth and Space Science Objects in the Sky 9. Phases of the Moton | ES | Earth and Space Science | Objects in the Sky | 6. | The Sun in the Sky | 0:03:19 | | |
| Ex Earth and Space Science Objects in the Sky 0. Place of the Moon 0.50 | ES | Earth and Space Science | Objects in the Sky | 7. | The Sun (Part-1) | 0:05:15 | | \checkmark |
| Signate Signate Changes in the Barth and Sky 2. Changes in The Barth and Sky 3. Chosen Changes in The Barth and Sky 3. Chosen Changes in The Barth and Sky 3. Chosen Changes in The Barth and Sky 4. Biological Weathering 0.03.14 | ES | | Objects in the Sky | 8. | The Sun (Part-2) | 0:05:25 | | \checkmark |
| Se Farth and Space Science Changes in The Farth and Sky 2. Earthquales 0.041 | ES | | Objects in the Sky | 9. | Phases of the Moon | | | |
| Ex Earth and Space Science Changes in The Earth and Sky 2. Earthquake 0.04.13 | | | 3 | | •• | | | |
| Fire Farth and Space Science Changes in The Earth and Sky 4. Biological Weathering 0.03:11 | | | | | 6 | | | |
| Es Earth and Space Science Changes in The Earth and Sky 5. | | | | | • | | | |
| Earth and Space Science Changes in The Earth and Sky 5. Physical Weathering 0.0314 | | * | • | | | | | |
| Earl and Space Science Changes in The Earth and Sky 7. Fold Space Science Changes in The Earth and Sky 7. Fold Space Science Changes in The Earth and Sky 9. Water Cycle 0.02.36 0.02. | | • | • | | 6 | | | |
| Earth and Space Science | | 1 | • | | | | | |
| ES Earth and Space Science Changes in The Earth and Sky 9. Mospot Volcanism (Formation of the Hawaiian Islands) 0.03-30 ES Earth and Space Science Changes in The Earth and Sky 9. Water Cycle 0.02-35 ES Earth and Space Science Changes in The Earth and Sky 10. Unitate Change 0.05-20 ES Earth and Space Science Changes in The Earth and Sky 11. Climate Change 0.05-20 ES Earth and Space Science Changes in The Earth and Sky 12. From sand Weather Conditions 0.05-21 ES Earth and Space Science Changes in The Earth and Sky 13. Air Masses 0.04-27 ES Earth and Space Science Changes in The Earth and Sky 15. What Influences Climate? 0.04-47 ES Earth and Space Science Changes in The Earth and Sky 16. Temperature of the Earth 0.04-47 ES Earth and Space Science Changes in The Earth and Sky 17. Seasons 0.04-15 √ ES Earth and Space Science Changes in The Earth and Sky 19.< | | * | · · | | , , , | | | |
| ES Earth and Space Science Changes in The Earth and Sky 10. What is Weather? 0.02.56 ES Earth and Space Science Changes in The Earth and Sky 11. Climate Change 0.05.20 ES Earth and Space Science Changes in The Earth and Sky 11. Climate Change 0.05.20 ES Earth and Space Science Changes in The Earth and Sky 12. Fronts and Weather Conditions 0.05.11 ES Earth and Space Science Changes in The Earth and Sky 13. Air Masses 0.004.27 ES Earth and Space Science Changes in The Earth and Sky 14. What is Climate? 0.005.37 ES Earth and Space Science Changes in The Earth and Sky 15. Earth and Space Science Changes in The Earth and Sky 15. Earth and Space Science Changes in The Earth and Sky 15. Earth and Space Science Changes in The Earth and Sky 16. Temperature of the Earth 19. Earth and Space Science Changes in The Earth and Sky 17. Seasons 0.004.15 ES Earth and Space Science Changes in The Earth and Sky 18. Laurar Phases 0.005.17 ES Earth and Space Science Changes in The Earth and Sky 19. Eclipse 0.005.17 ES Earth and Space Science Changes in The Earth and Sky 19. Eclipse 0.005.17 ES Earth and Space Science Changes in The Earth and Sky 19. Eclipse 0.005.17 ES Earth and Space Science Changes in The Earth and Sky 19. Eclipse 0.005.17 ES Earth and Space Science Changes in The Earth and Sky 19. Eclipse 0.005.17 ES Science and Technology Understanding about Science and Technology 1. Inclined Plane 0.002.52 ES Science and Technology Understanding about Science and Technology 4. Pulley 0.003.02 ES Science and Technology Understanding about Science and Technology 4. Pulley 0.003.01 ES Science and Technology Personal Health 1. Taking Care of your Teeth 0.003.11 ES Science and Technology Personal Health 1. Taking Care of your Teeth 0.003.11 ES Science and Technology Personal Health 1. Recycling Waste and Technology 1. Personal Health 1. Recycling Waste 1. Recycling Waste 1. Recycling Waste 1. Swing Energy and the Environment 1. 0.003.31 ES Science and Technology Types of Resources 1. Swing Energ | | = | • | | | | | |
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| ES Science and Technology Personal Health 5. Passive smoking and Bronchitis 0:02:31 √ ES Science and Technology Types of Resources 1. Recycling Waste 0:04:13 √ ES Science and Technology Types of Resources 2. Rubbish and Litter 0:04:48 ES Science and Technology Types of Resources 1. Saving Energy and the Environment 0:05:57 ES Science and Technology Types of Resources 2. Improving our School Environment 0:03:37 ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit | | 2. | | | | | | |
| ES Science and Technology Types of Resources 1. Recycling Waste 0:04:13 √ ES Science and Technology Types of Resources 2. Rubbish and Litter 0:04:48 ES Science and Technology Types of Resources 1. Saving Energy and the Environment 0:05:57 ES Science and Technology Types of Resources 2. Improving our School Environment 0:03:37 ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit | ES | | Personal Health | 5. | • | 0:02:31 | \checkmark | |
| ES Science and Technology Types of Resources 2. Rubbish and Litter 0:04:48 ES Science and Technology Types of Resources 1. Saving Energy and the Environment 0:05:57 ES Science and Technology Types of Resources 2. Improving our School Environment 0:03:37 ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | | | | | <u> </u> | | | |
| ES Science and Technology Types of Resources 1. Saving Energy and the Environment 0:05:57 ES Science and Technology Types of Resources 2. Improving our School Environment 0:03:37 ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | ES | | Types of Resources | 2. | • | 0:04:48 | | |
| ES Science and Technology Types of Resources 2. Improving our School Environment 0:03:37 ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | ES | | Types of Resources | 1. | Saving Energy and the Environment | 0:05:57 | | |
| ES Science and Technology Types of Resources 3. Noise Pollution 0:03:54 ES Add-On Categories Life Science 1. The Living Cell 0:04:46 ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | | == | * * | 2. | | 0:03:37 | | |
| ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | ES | •• | ** | 3. | . • | 0:03:54 | | |
| ES Add-On Categories Life Science 2. Cell - A living unit 0:05:05 | ES | Add-On Categories | Life Science | 1. | The Living Cell | 0:04:46 | | |
| ES Add-On Categories Life Science 3. World of cells 0:02:28 | ES | | Life Science | 2. | | 0:05:05 | | |
| | ES | Add-On Categories | Life Science | 3. | World of cells | 0:02:28 | | |

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| PKG | Category | Sub Category | Topio # | Торіс | Video Duration | Sim | Int |
| ES | Add-On Categories | Life Science | 4. | Incredible Human Machine (I) | 0:02:58 | | |
| ES | Add-On Categories | Life Science | 5. | Incredible Human Machine (II) | 0:02:24 | | |
| ES | Add-On Categories | Life Science | 6. | Brain- The Human Computer | 0:02:11 | | |
| ES | Add-On Categories | Life Science | 7. | Neurons | 0:01:52 | | |
| ES | Add-On Categories | Life Science | 8. | Heart - an amazing pump | 0:02:43 | | |
| ES | Add-On Categories | Life Science | 9. | Respiration (Breathing) | 0:03:37 | | |
| ES | Add-On Categories | Life Science | 10. | Digestive System | 0:02:56 | | |
| ES | Add-On Categories | Life Science | 11. | Muscular System | 0:02:24 | | |
| ES | Add-On Categories | Life Science | 12. | Kidney- The Body Filters | 0:02:29 | | |
| ES | Add-On Categories | Life Science | 13. | Attacking the Invaders | 0:02:18 | | |
| ES | Add-On Categories | Life Science | 14. | Plant | 0:03:16 | | |
| ES | Add-On Categories | Life Science | 15. | The Beautiful Flower | 0:02:22 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 1. | Distinguishing Between a Mixture and a Compound | | \checkmark | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 2. | Distinguishing Between Solutions | | \checkmark | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 3. | Desalination of water (Simple Distillation) | 0:03:28 | \checkmark | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 4. | Physical Properties of Alkali Metals | 0:03:13 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 5. | Physical Properties of Aldehydes and Ketones | 0:05:58 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 6. | Physical Properties of Amines | 0:03:22 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 7. | Physical Properties of Bases | 0:02:23 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 8. | Melting and Boiling Point of Water | 0:02:47 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 9. | Physical and Chemical Changes | 0:03:14 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 10. | Determining Melting and Boiling Points | | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 11. | States of Matter | 0:03:16 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 12. | States of Matter (Part - II) | 0:02:45 | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 13. | Effect of Temperature on the Solubility of Gases and Thermal Pollution | 0:04:49 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 14. | Factors Affecting Pressure of the Gas | 0:04:01 | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 15. | Effect of Temperature on the Liquid State of Matter | 0:03:36 | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 16. | Effect of Pressure on the Gaseous State of Matter | 0:02:46 | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 17. | Physical Nature of Matter | 0:02:19 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 18. | Sublimation | 0:01:52 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 19. | Thin Layer Chromatography | | | $\sqrt{}$ |
| MS | Physical Science | Properties and Changes of Properties in Matter | 20. | Deionization Process | | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 21. | Crystal Hydrate | 0:04:02 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 22. | Does Mass Change in a Chemical Reaction? | 0:03:34 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 23. | Changes accompanying Chemical Reactions | 0:03:37 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 24. | Chemical Reactions and their Characteristics | 0:02:24 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 25. | Metallic and Non-Metallic Properties in a Period | 0:02:19 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 26. | Introduction to Modern Periodic Table | | \checkmark | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 27. | General Characteristics of Groups | 0:01:23 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 28. | General Characteristics of Periods | 0:03:49 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 29. | Chemical Equations | 0:06:10 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 30. | The Law of Conservation of Mass | 0:01:26 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 31. | Chemical Properties of Carbon | 0:02:19 | | |
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| | | Sub | Topic | | Video | | |
| PKG | Category | Category | # | Торіс | Duration | Sim | Int |
| | | <u> </u> | | | | | |
| MS | | Properties and Changes of Properties in Matter | 32. | Chemical Properties of Iron | 0:03:18 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 33. | Chemical Properties of Sulphur Dioxide - I | 0:06:05 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 34. | Chemical Properties of Sulphur Dioxide-II | 0:06:31 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 35. | Chemical Properties of Dilute Sulphuric Acid | 0:02:04 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 36. | Chemical Properties of Phosphorus | 0:03:34 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 37. | Chemical Properties of Alkaline Earth Metals | 0:02:58 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 38. | Chemical Properties of Metals and Non metals (Reaction with Oxygen) | 0:03:37 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 39. | Chemical Properties of Phenol | 0:03:57 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 40. | Chemical Properties of Phenol - II | 0:03:12 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 41. | Physical Properties of Non-metals | 0:04:21 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 42. | Natural Indicators | 0:04:02 | , | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 43. | Reactions of Metals with Water | | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 44. | Reaction of Metals with Acids | 0:04:41 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 45. | Reaction of Metal Oxides with Acid | 0:01:20 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 46. | Reaction of Metal Carbonates with Acids | 0:02:31 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 47. | Sulphur | 0:02:22 | , | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 48. | Laboratory Preparation of Sulphur Dioxide | 0:03:05 | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 49. | Laboratory Preparation of Hydrogen Gas | 0:01:27 | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 50. | Laboratory Preparation of Ammonia | 0:03:55 | √, | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 51. | Law of Definite Proportions or Constant Composition | 0:04:51 | \checkmark | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 52. | Law of Multiple Proportions | 0:05:02 | , | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 53. | Molecular Formula | 0:02:22 | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 54. | Balancing of Equations | 0:02:40 | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 55. | Preparation of Oxygen from Hydrogen Peroxide | 0:01:16 | √. | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 56. | Laboratory Preparation of Chlorine | 0:02:02 | \checkmark | , |
| MS | Physical Science | Properties and Changes of Properties in Matter | 57. | Preparation of Carbon Dioxide | 0:01:28 | | $\sqrt{}$ |
| MS | Physical Science | Properties and Changes of Properties in Matter | 58. | Haber Process | | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 59. | Chemical Bonding | 0:05:11 | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 60. | Atoms, Molecules and Ions | 0:07:04 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 61. | Reaction of Metals with Oxygen | 0:04:34 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 62. | Reaction of Metals with Hydrogen | 0:01:08 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 63. | Combination Reactions | 0:02:11 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 64. | Decomposition Reactions | 0:01:39 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 65. | Corrosion | 0:04:08 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 66. | Galvanization | 0:07:15 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 67. | Density (Part-1) | 0:05:09 | V | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 68. | Density (Part-2) | 0:04:21 | √. | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 69. | Buoyancy | | √. | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 70. | Archimedes' Principle: The Experiment | | √. | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 1. | Acids and Bases | | $\sqrt{}$ | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 2. | What are Acids and Bases? | 0:02:20 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 3. | The Common Component of all Acids | 0:08:13 | | |
| MS | Physical Science | Properties and Changes of Properties in Matter | 4. | Henry's Law | | \checkmark | |

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|----------|--------------------------------------|----------|--|------------|---|--------------------|-----------|-----|
| PKG | | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| MS | Physical Science | | Properties and Changes of Properties in Matter | 5. | Separating the Components of a Mixture | | √ | |
| MS | Physical Science | | Properties and Changes of Properties in Matter | 6. | Formation of a Solution | 0:03:36 | | |
| MS | Physical Science | | Motions and Forces | 1. | Acceleration | 0:08:49 | | |
| MS | Physical Science | | Motions and Forces | 2. | Inertia | 0:03:48 | | |
| MS | Physical Science | | Motions and Forces | 3. | Newton's First Law of Motion | 0:03:11 | | |
| MS | Physical Science | | Motions and Forces | 4. | Balanced Forces | 0:04:24 | | |
| MS | Physical Science | | Motions and Forces | 5. | Effects of Force | 0:03:01 | | |
| MS | Physical Science | | Motions and Forces | 6. | Newton's Second Law of Motion | 0:07:07 | | |
| MS | Physical Science | | Motions and Forces | 7. | Newton's Third Law of Motion | 0:04:09 | | |
| MS | Physical Science | | Motions and Forces | 8. | Third Law of Motion using Two Spring Balances | | $\sqrt{}$ | |
| MS | Physical Science | | Motions and Forces | 1. | Increasing and Reducing Friction | 0:05:00 | | |
| MS | Physical Science | | Motions and Forces | 2. | Pressure Exerted by a Solid | | $\sqrt{}$ | |
| MS | Physical Science | | Motions and Forces | 3. | Distance and Displacement | 0:05:10 | , | |
| MS | Physical Science | | Motions and Forces | 4. | Period of a Simple Pendulum | | | |
| MS | Physical Science | | Transfer of Energy | 1. | Heat Change During Chemical Reactions | 0:01:30 | | |
| MS | Physical Science | | Transfer of Energy | 2. | Kinetic Energy | 0:05:16 | | |
| MS | Physical Science | | Transfer of Energy | 3. | Nuclear Fusion | 0:04:06 | | |
| MS | Physical Science | | Transfer of Energy | 4. | Sound | 0:03:52 | | |
| MS | Physical Science | | Transfer of Energy | 5. | Conservation of Energy | 0:06:44 | | |
| MS | Physical Science | | Transfer of Energy | 6. | Transformation of Energy | 0:08:02 | 1 | 1 |
| MS | Physical Science | | Transfer of Energy | 7. | Solar Energy (Passive Solar Heating and Photovoltaic Devices) | 0:05:55 | $\sqrt{}$ | V |
| MS | Physical Science | | Transfer of Energy | 8. | Hydroelectric Power | 0:05:47 | .1 | |
| MS | Physical Science | | Transfer of Energy | 9. | Transfer of Heat (Conduction) | 0:04:12 | V | |
| MS | Physical Science | | Transfer of Energy | 10. | Kinetic Theory of Matter-1 (SOLID) | 0:05:27 | .1 | |
| MS | Physical Science | | Transfer of Energy | 11. | Thermal Conductivity | 0:06:35 0:04:38 | √ √ | |
| MS | Physical Science | | Transfer of Energy | 12. | Heat Conduction and Steady State | 0:04:38 | V | |
| MS MS | Physical Science Physical Science | | Transfer of Energy | 13. 14. | Emission Spectra and the Flame Test Transparent, Translucent, and Opaque Objects | 0:06:02 | V | |
| MS | Physical Science | | Transfer of Energy Transfer of Energy | 14. 15. | Refraction of Light through a Prism | 0:02:39 | V | |
| MS | Physical Science | | Transfer of Energy Transfer of Energy | 15. 16. | Atmospheric Refraction | 0:04:30 | ٧ | |
| MS | Physical Science | | Transfer of Energy Transfer of Energy | 10. 17. | Diffraction of Light | 0:07:03 | | |
| MS | Physical Science | | Transfer of Energy Transfer of Energy | 18. | Reflection of Light and its Laws | 0:04:08 | $\sqrt{}$ | |
| MS | Physical Science | | Transfer of Energy Transfer of Energy | 19. | Lenses | 0:05:20 | J | |
| MS | Physical Science | | Transfer of Energy | 20. | Curved Mirrors | 0:03:24 | Ž | |
| MS | Physical Science | | Transfer of Energy | 21. | Converging Lenses | 0:07:36 | Ì | |
| MS | Physical Science | | Transfer of Energy | 22. | Diverging Lenses | 0:07:36 | Ì | |
| MS | Physical Science | | Transfer of Energy | 23. | Images Formed by a Concave Mirror | 0:05:45 | Ż | |
| MS | Physical Science | | Transfer of Energy | 24. | Image Formation in a Plane Mirror | 0:03:54 | , | |
| MS | Physical Science | | Transfer of Energy | 25. | Rotation of a Plane Mirror | ******* | | |
| MS | Physical Science | | Transfer of Energy | 26. | Images Formed by a Convex Mirror | 0:04:42 | Ţ | |
| MS | Physical Science | | Transfer of Energy | 27. | Real and Virtual Images | 0:07:20 | • | |
| MS | Physical Science | | Transfer of Energy | 28. | Colour of Objects | 0:05:21 | | |
| | Physical Science | | Transfer of Energy | 29. | Primary Colours of Light | | | |
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| | | | Sub | Topic | | Video | | |
| PKG | | Category | Category | # | Topic | Duration | Sim | Int |
|) (G | DI : 10 : | m | 3 . | 20 | The country of the | | 1 | |
| MS | Physical Science | | fer of Energy | | Dispersion of White Light | 0:02:47 | √ √ | |
| MS | Physical Science | | fer of Energy | | Total Internal Reflection (Part-2) | 0:04:01 | V | .1 |
| MS | Physical Science | | •• | | Compound Microscope Reflecting Telegopes | 0:04:40 | N N | $\sqrt{}$ |
| MS | Physical Science | | fer of Energy | | Reflecting Telescope New Cartesian Sign Convention (Spherical Mirrors and Lenses) | 0:06:10 | V | |
| MS MS | Physical Science Physical Science | | fer of Energy fer of Energy | | Defects of Vision and their Correction | 0:06:10 | | |
| MS | Physical Science | | fer of Energy | | Electroplating | 0.07.43 | $\sqrt{}$ | |
| MS | Physical Science | | fer of Energy | | Electric Bell | 0:03:30 | Ž | N |
| MS | Physical Science | | fer of Energy | | Electric Fuse | 0:03:30 | ٧ | v |
| MS | Physical Science | | fer of Energy | | Electroplating | 0:03:17 | | |
| MS | Physical Science | | fer of Energy | | Bulb Connected to a Cell | 0:02:50 | | |
| MS | Physical Science | | fer of Energy | | Assembling Basic Electric Circuit | 0.03.30 | V | |
| MS | Physical Science | | <i></i> | | Radioactivity and Group Displacement Law | | J | |
| MS | Physical Science | | fer of Energy | | Heat of Solution | 0:03:40 | J | |
| MS | Physical Science | | fer of Energy | | Fundamentals of a DC Motor | 0:07:31 | Ž | $\sqrt{}$ |
| MS | Physical Science | | fer of Energy | | AC Motor | 0:05:13 | • | į |
| MS | Physical Science | | fer of Energy | | AC Generator | 0:06:05 | | į |
| MS | Physical Science | | fer of Energy | | Nuclear Chain Reaction | 0:06:37 | | |
| MS | Physical Science | | fer of Energy | | Temperature of the Earth | 0:04:21 | | |
| MS | Physical Science | | fer of Energy | | The Sun (Part-1) | 0:05:15 | | $\sqrt{}$ |
| MS | Physical Science | | fer of Energy | | The Sun (Part-2) | 0:05:25 | | \checkmark |
| MS | Physical Science | | fer of Energy | 51. | Thermal Radiation | 0:03:15 | | |
| MS | Physical Science | | | 52. | Electromagnetic Spectrum (Part - 1) | 0:05:19 | | |
| MS | Physical Science | Trans | fer of Energy | 53. | Electromagnetic Spectrum (Part - 2) | 0:03:51 | | |
| MS | Physical Science | Trans | fer of Energy | 54. | Solar Energy (Active Solar Systems) | 0:04:48 | $\sqrt{}$ | \checkmark |
| MS | Physical Science | Trans | fer of Energy | | Renewable Resources of Energy | 0:04:35 | | |
| MS | Life Science | Struct | ure & Function in Living Systems | 1. | Cells to organism | 0:02:52 | | |
| MS | Life Science | Struct | ure & Function in Living Systems | 2. | Amoeba | 0:01:16 | | \checkmark |
| MS | Life Science | Struct | ure & Function in Living Systems | 3. | Animal cell | 0:05:25 | $\sqrt{}$ | |
| MS | Life Science | Struct | ure & Function in Living Systems | 4. | Cell structure (Plant cell) | 0:02:04 | $\sqrt{}$ | \checkmark |
| MS | Life Science | Struct | ure & Function in Living Systems | 5. | Prokaryota and Eukaryota | | | \checkmark |
| MS | Life Science | Struct | ure & Function in Living Systems | 6. | Shape of cells | 0:04:37 | | \checkmark |
| MS | Life Science | Struct | ure & Function in Living Systems | 7. | Number and size of cells | 0:03:36 | | |
| MS | Life Science | Struct | ure & Function in Living Systems | 8. | Cell division (Mitosis) | 0:04:15 | $\sqrt{}$ | |
| MS | Life Science | Struct | ure & Function in Living Systems | 9. | Meiosis | 0:06:12 | | |
| MS | Life Science | | ure & Function in Living Systems | | Structure of Mitochondria | 0:02:38 | $\sqrt{}$ | |
| MS | Life Science | Struct | ure & Function in Living Systems | | Epithelial tissue | 0:04:31 | | $\sqrt{}$ |
| MS | Life Science | | ure & Function in Living Systems | 12. | Connective tissues | 0:02:08 | | |
| MS | Life Science | | ure & Function in Living Systems | | Areolar Connective tissues | 0:02:52 | | |
| MS | Life Science | | ure & Function in Living Systems | | Plant tissues (Meristematic tissues) | 0:01:57 | | |
| | Life Science | | ure & Function in Living Systems | | Plant tissue system | 0:03:33 | | , |
| MS | Life Science | | ure & Function in Living Systems | | Simple tissues | 0:02:33 | , | $\sqrt{}$ |
| MS | Life Science | Struct | ure & Function in Living Systems | 17. | Digestive and excretory system | 0:02:33 | $\sqrt{}$ | |

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| PKG | Category | Sub Category | Topic | Торіс | Video Duration | Sim | Int |
| MS | Life Science | Structure & Function in Living Systems | 18. | Respiratory system | 0:03:47 | V | V |
| MS | Life Science | Structure & Function in Living Systems | 19. | Mechanism of breathing in man | 0:02:20 | Ż | V |
| MS | Life Science | Structure & Function in Living Systems | 20. | Respiratory and circulatory systems | 0:02:24 | V | V |
| | Life Science | Structure & Function in Living Systems | 21. | Muscular system | 0:02:41 | | |
| MS | Life Science | Structure & Function in Living Systems | 22. | Excretory system | 0:03:50 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 23. | The Skeletal system | 0:02:25 | | |
| MS | Life Science | Structure & Function in Living Systems | 24. | Fixed joints and muscles | 0:05:17 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 25. | Role of Muscles in Bone Movement | 0:03:39 | | |
| MS | Life Science | Structure & Function in Living Systems | 26. | Nervous system | 0:03:13 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 27. | Exocrine glands and Endocrine glands | 0:05:07 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 28. | Skin | 0:03:08 | | |
| MS | Life Science | Structure & Function in Living Systems | 29. | Skeletal Muscles and bones | 0:03:07 | | |
| MS | Life Science | Structure & Function in Living Systems | 30. | The eye | 0:03:41 | | |
| MS | Life Science | Structure & Function in Living Systems | 31. | The Ear (Anatomy) | | | |
| MS | Life Science | Structure & Function in Living Systems | 32. | Male reproductive system (Anatomy and physiology) | 0:04:14 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 33. | Female reproductive anatomy | 0:03:29 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 34. | Structure of bone | | $\sqrt{}$ | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 35. | Ligaments | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 36. | Chickenpox | 0:03:35 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 37. | Influenza | 0:01:41 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 38. | Polio | 0:01:40 | | |
| MS | Life Science | Structure & Function in Living Systems | 39. | Diarrhoea | 0:03:11 | | |
| MS | Life Science | Structure & Function in Living Systems | 40. | Bacteria and Virus | 0:03:38 | | |
| MS | Life Science | Structure & Function in Living Systems | 1. | Heart | 0:01:59 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 2. | Heart – An Amazing Pump | | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 3. | Heart - Cardiac pacemaker | | | |
| MS | Life Science | Structure & Function in Living Systems | 4. | Anatomy of heart | 0:04:32 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 5. | Heart and blood circulation | 0:03:35 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 6. | Arteries and veins | 0:04:59 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 7. | Blood Vessel Networking | 0:04:59 | | |
| MS | Life Science | Structure & Function in Living Systems | 8. | Blood Composition | 0:06:13 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 9. | Blood - The RBC Story | 0:03:43 | | |
| MS | Life Science | Structure & Function in Living Systems | 10. | Haemoglobin | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 11. | Blood corpuscles (Human blood) | 0:03:24 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 12. | Study of WBCs | 0:03:22 | | |
| MS | Life Science | Structure & Function in Living Systems | 13. | Functions of leucocytes | 0:02:28 | V | |
| MS | Life Science | Structure & Function in Living Systems | 14. | Blood Clotting | | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 15. | Teeth | 0:04:00 | V | |
| MS | Life Science | Structure & Function in Living Systems | 16. | Detailed digestive system II | 0:01:48 | V | |
| MS | Life Science | Structure & Function in Living Systems | 17. | Physiology of digestion | 0:03:44 | $\sqrt{}$ | |
| MS | | Structure & Function in Living Systems | 18. | Gallbladder | 0:03:03 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 19. | Organs of the Excretory System | 0:03:41 | | |
| MS | Life Science | Structure & Function in Living Systems | 20. | Types of muscle fibers | 0:04:15 | | $\sqrt{}$ |
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61:26:24 1,162 978 459 195

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|--------|-------------------------|--|------------|---|-------------------|-----------|--------------|
| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| MS | Life Science | Structure & Function in Living Systems | 21. | Gaseous transport | 0:06:32 | V | √ |
| MS | Life Science | Structure & Function in Living Systems | 22. | Appendicular skeleton (Forelimbs and Hind limbs) | 0:03:26 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 23. | Joints | 0:03:14 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 24. | Fracture | 0:02:46 | | |
| MS | Life Science | Structure & Function in Living Systems | 25. | Types of fractures | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 26. | Harmful micro-organisms | | | |
| MS | Life Science | Structure & Function in Living Systems | 27. | Haemoglobin and Sickle cell anaemia | 0:03:30 | | \checkmark |
| MS | Life Science | Structure & Function in Living Systems | 28. | Female Anopheles | | | \checkmark |
| MS | Life Science | Structure & Function in Living Systems | 29. | Mycoplasma | 0:02:10 | | |
| MS | Life Science | Structure & Function in Living Systems | 30. | Exhalation of CO2 During Respiration | | | |
| MS | Life Science | Structure & Function in Living Systems | 31. | Liver | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 32. | Anatomy of Liver | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 33. | Neuromuscular junction | 0:02:52 | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 34. | Myoneural Junction | | $\sqrt{}$ | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 35. | Ciliated epithelium | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 36. | Cuboidal epithelium | | | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 37. | Bones | 0:03:45 | $\sqrt{}$ | $\sqrt{}$ |
| MS | Life Science | Structure & Function in Living Systems | 38. | Girdle bones | 0:02:46 | $\sqrt{}$ | |
| MS | Life Science | Structure & Function in Living Systems | 39. | Vertebral column | 0:01:36 | | |
| MS | Life Science | Structure & Function in Living Systems | 40. | The Skull | 0:01:19 | | |
| MS | Life Science | Reproduction and Heredity | 1. | Fertilization | 0:03:16 | | |
| MS | Life Science | Reproduction and Heredity | 2. | Bacterial transformation and conjugation | 0:02:47 | | |
| MS | Life Science | Reproduction and Heredity | 3. | Chromosomes, genes and DNA | 0:03:50 | | |
| MS | Life Science | Reproduction and Heredity | 1. | Fertilization and implantation in humans | 0:03:44 | | |
| MS | Life Science | Reproduction and Heredity | 2. | Male reproductive system | 0:04:14 | $\sqrt{}$ | |
| MS | Life Science | Reproduction and Heredity | 3. | Female reproductive system | 0:02:48 | $\sqrt{}$ | |
| MS | Life Science | Reproduction and Heredity | 4. | Oogenesis | | | \checkmark |
| MS | Life Science | Reproduction and Heredity | 5. | Twins | 0:04:00 | | |
| MS | Life Science | Regulation and Behavior | 1. | Thermoregulation by the skin | 0:03:08 | $\sqrt{}$ | \checkmark |
| MS | Life Science | Populations and Ecosystems | 1. | Food chain | 0:02:52 | | |
| MS | Life Science | Populations and Ecosystems | 2. | Aphids | 0:01:27 | | $\sqrt{}$ |
| MS | Life Science | Populations and Ecosystems | 3. | Energy flow in an ecosystem | 0:03:48 | | |
| MS | Life Science | Populations and Ecosystems | 4. | Pond - The Underwater Ecosystem | 0:03:28 | | |
| MS | Earth and Space Science | Structure of the Earth System | 1. | Hotspot Volcanism (Formation of the Hawaiian Islands) | 0:03:40 | | |
| MS | Earth and Space Science | Structure of the Earth System | 2. | Fold and Fault Block Mountains | 0:03:41 | | |
| MS | Earth and Space Science | Structure of the Earth System | 3. | Earthquake | 0:04:13 | | |
| MS | Earth and Space Science | Structure of the Earth System | 4. | Chemical Weathering | 0:03:14 | | |
| MS | Earth and Space Science | Structure of the Earth System | 5. | Physical Weathering | 0:03:14 | | |
| MS | Earth and Space Science | Structure of the Earth System | 6. | Biological Weathering | 0:03:11 | | |
| MS | Earth and Space Science | Structure of the Earth System | 7. | Erosion | 0:03:00 | | |
| MS | Earth and Space Science | Structure of the Earth System | 8. | Rock Cycle | 0:03:57 | | |
| MS | Earth and Space Science | Structure of the Earth System | 9. | Importance of Soil and its Formation | 0:04:44 | | |
| MS | Earth and Space Science | Structure of the Earth System | 10. | Properties of Soil and its Uses | 0:05:41 | | |

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|------|-------------------------|-------------------------------|-------|---|----------|--------------|-----------|
| 1.70 | | | | 1,162 | 978 | 459 | 195 |
| PKG | Category | Sub | Topic | Topic | Video | Sim | Int |
| 0211 | entegory | Category | # | Topic | Duration | Jiiii | me |
| MS | Earth and Space Science | Structure of the Earth System | 11. | Composition of Soil | 0:04:38 | | |
| MS | Earth and Space Science | Structure of the Earth System | 12. | Soil Horizons | 0:05:17 | | |
| MS | Earth and Space Science | Structure of the Earth System | 13. | Water Cycle | | \checkmark | |
| MS | Earth and Space Science | Structure of the Earth System | 14. | Layers of the Earth's Atmosphere | 0:06:00 | | |
| MS | Earth and Space Science | Structure of the Earth System | 15. | Temperature and Surface Tension | | | |
| MS | Earth and Space Science | Structure of the Earth System | 16. | Layers of the Earth's Atmosphere | | $\sqrt{}$ | |
| MS | Earth and Space Science | Structure of the Earth System | 17. | Formation and Types of Clouds | 0:04:12 | $\sqrt{}$ | |
| MS | Earth and Space Science | Structure of the Earth System | 18. | What is Weather? | 0:05:57 | $\sqrt{}$ | |
| MS | Earth and Space Science | Structure of the Earth System | 19. | Fronts and Weather Conditions | 0:05:11 | | |
| MS | Earth and Space Science | Structure of the Earth System | 20. | Air Masses | 0:04:27 | | |
| MS | Earth and Space Science | Structure of the Earth System | 21. | What is Climate? | 0:05:37 | | |
| MS | Earth and Space Science | Structure of the Earth System | 22. | Climate Change | 0:05:20 | | |
| MS | Earth and Space Science | Structure of the Earth System | 23. | What Influences Climate? | 0:04:47 | | |
| MS | Earth and Space Science | Structure of the Earth System | 24. | Chemical and Organic Sedimentary Rocks | 0:06:09 | | |
| MS | Earth and Space Science | Structure of the Earth System | 25. | Clastic Sedimentary Rocks | 0:04:44 | | |
| MS | Earth and Space Science | Structure of the Earth System | 26. | Igneous Rocks | 0:04:05 | | |
| MS | Earth and Space Science | Structure of the Earth System | 27. | Metamorphic Rocks | 0:03:08 | | |
| MS | Earth and Space Science | Structure of the Earth System | 28. | Chemical Weathering | 0:03:14 | | |
| MS | Earth and Space Science | Structure of the Earth System | 29. | Physical Weathering | 0:03:14 | | |
| MS | Earth and Space Science | Structure of the Earth System | 30. | Biological Weathering | 0:03:11 | | |
| MS | Earth and Space Science | Earth's History | 1. | Fold and Fault Block Mountains | 0:03:41 | | |
| MS | Earth and Space Science | Earth's History | 2. | Erosion | 0:03:00 | , | |
| MS | Earth and Space Science | Earth in the Solar System | 1. | Evolution of Solar System | 0:01:57 | | , |
| MS | Earth and Space Science | Earth in the Solar System | 2. | The Sun (Part-1) | 0:05:15 | | √, |
| MS | Earth and Space Science | Earth in the Solar System | 3. | The Sun (Part-2) | 0:05:25 | , | $\sqrt{}$ |
| MS | Earth and Space Science | Earth in the Solar System | 4. | Solar System (The Inner Planets) | 0:05:36 | √, | |
| MS | Earth and Space Science | Earth in the Solar System | 5. | Solar System (The Outer Planets) | 0:04:42 | $\sqrt{}$ | |
| MS | Earth and Space Science | Earth in the Solar System | 6. | Planets in Our Solar System | 0:05:59 | , | |
| MS | Earth and Space Science | Earth in the Solar System | 7. | Eclipse | | √, | |
| MS | Earth and Space Science | Earth in the Solar System | 8. | Phases of the Moon | | $\sqrt{}$ | |
| MS | Earth and Space Science | Earth in the Solar System | 9. | Lunar Eclipse | 0:05:26 | | |
| MS | Earth and Space Science | Earth in the Solar System | 10. | Solar Eclipse | 0:06:04 | , | |
| MS | Earth and Space Science | Earth in the Solar System | 11. | Kepler's First Law of Planetary Motion | 0:03:47 | √, | |
| MS | Earth and Space Science | Earth in the Solar System | 12. | Kepler's Second Law of Planetary Motion | 0:04:15 | $\sqrt{}$ | |
| MS | Earth and Space Science | Earth in the Solar System | 13. | Kepler's Third Law of Planetary Motion | 0:05:15 | $\sqrt{}$ | |
| MS | Earth and Space Science | Earth in the Solar System | 14. | Satellites in Orbits | 0:05:12 | , | |
| MS | Earth and Space Science | Earth in the Solar System | 15. | Gravitation | | V | |
| MS | Earth and Space Science | Earth in the Solar System | 16. | Centripetal Force | | $\sqrt{}$ | |
| MS | Earth and Space Science | Earth in the Solar System | 17. | Mass and Weight | 0:05:05 | 1 | |
| MS | Earth and Space Science | Earth in the Solar System | 18. | Drag Force and Terminal Velocity | | V | |
| MS | Earth and Space Science | Earth in the Solar System | 19. | Seasons | 0:04:15 | ٧, | 1 |
| MS | Earth and Space Science | Earth in the Solar System | 20. | Solar Energy (Active Solar Systems) | 0:04:48 | V | ٧ |
| MS | Earth and Space Science | Earth in the Solar System | 21. | Solar Energy (Passive Solar Heating and Photovoltaic Devices) | 0:05:55 | ٧ | ٧ |

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|----------|---|---------------------------|-----------|--|--------------------|--------------|-----------|
| PKG | Category | Sub Category | Topi # | С | Video Duration | Sim | Int |
| MS | Earth and Space Science | Earth in the Solar System | 1. | Latitude and Longitude | 0:07:17 | √ | |
| MS | Earth and Space Science | Earth in the Solar System | 2. | Time Zones | 0:07:10 | | |
| MS | Earth and Space Science | Earth in the Solar System | 3. | Radio Telescope | | | |
| MS | Earth and Space Science | Earth in the Solar System | 4. | Application of Latitude and Longitude | | \checkmark | |
| MS | Science in Personal and Social Perspectives | Personal Health | 1. | Smoking and Emphysema | 0:04:21 | | |
| MS | Science in Personal and Social Perspectives | Natural Hazards | 1. | Earthquake | 0:04:13 | | |
| MS | Science in Personal and Social Perspectives | Natural Hazards | 2. | Hotspot Volcanism (Formation of the Hawaiian Islands) | 0:03:40 | | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 1. | Earthquake | 0:04:13 | , | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 2. | Air pollution | 0:02:59 | V | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 3. | Smoking and Emphysema | 0:04:21 | | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 4. | Water pollution and its effect (Eutrophication) | 0:03:13 | | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 5. | Smoking - a dangerous habit | 0:05:30 | | |
| MS | Science in Personal and Social Perspectives | Risks and Benefits | 6. | Effect of drug and alcohol on the nervous system | 0:05:25 | | |
| MS MS | Add-On Categories Add-On Categories | Mechanics Mechanics | 1. 2. | Volume Volume of an Irregular Object (Part-1) | 0:02:23 0:01:30 | | |
| MS | Add-On Categories Add-On Categories | Mechanics | 3. | Volume of Liquids | 0:01:50 | | |
| MS | Add-On Categories | Electromagnetism | 3. 1. | Galvanometer | 0:02:30 | | V |
| MS | Add-On Categories | Comparing Quantities | 1. | Profit and Loss | 0.07.03 | | • |
| HS | Physical Science | Structure of Atoms | 1. | Physical Nature of Matter | 0:02:19 | • | |
| HS | Physical Science | Structure of Atoms | 2. | Atomic Mass, Molecular Mass and Formula Unit Mass | 0:06:31 | | |
| HS | Physical Science | Structure of Atoms | 3. | The Mole Concept | 0:04:13 | $\sqrt{}$ | |
| HS | Physical Science | Structure of Atoms | 4. | Mole Fraction | 0:03:04 | V | V |
| HS | Physical Science | Structure of Atoms | 5. | Thomson's Atomic Model | 0:04:07 | • | • |
| HS | Physical Science | Structure of Atoms | 6. | Rutherford's Atomic Model | 0:04:02 | V | |
| HS | Physical Science | Structure of Atoms | 7. | Millikan's Oil-Drop Experiment (Charge of an Electron) | 0:07:24 | • | |
| HS | Physical Science | Structure of Atoms | 8. | Thermionic Emission | 0:07:24 | | |
| | - | Structure of Atoms | 9. | | 0:06:26 | | |
| HS | Physical Science | | | Properties of Nucleons | | | |
| HS | Physical Science | Structure of Atoms | 10. | Discharge of Electricity through Gases | 0:02:34 | | |
| HS | Physical Science | Structure of Atoms | 11. | Isotopes of Hydrogen | 0:02:07 | , | |
| HS | Physical Science | Structure of Atoms | 12. | Size of Nucleus and Nuclear Density | 0:05:02 | | |
| HS | Physical Science | Structure of Atoms | 13. | Atoms, Molecules and Ions | 0:07:04 | | |
| HS | Physical Science | Structure of Atoms | 14. | Nuclear Chain Reaction | 0:06:37 | | |
| HS | Physical Science | Structure of Atoms | 15. | Nuclear Fusion | 0:04:06 | | |
| HS | Physical Science | Structure of Atoms | 16. | Carbon-14 Decay | | \checkmark | |
| HS | Physical Science | Structure of Atoms | 17. | Radioactivity and Group Displacement Law | | | |
| HS | Physical Science | Structure of Atoms | 18. | Radioactivity | 0:07:09 | | |
| HS | Physical Science | Structure of Atoms | 19. | Radioactive Decay Law | 0:06:49 | | |
| HS | Physical Science | Structure of Atoms | 20. | Alpha Emission | 0:05:03 | | $\sqrt{}$ |
| HS | Physical Science | Structure of Atoms | 21. | Beta Emission | 0:06:55 | | |
| HS | Physical Science | Structure of Atoms | 1. | Formulae of Compounds (Using Valencies) | 0:02:48 | | |
| 115 | 1 11 Julian Science | Su detaile of 1 Homo | | 2 ormanie or compounds (comp , meneros) | 0.02.40 | | |

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| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Structure of Atoms | 2. | Crystalline and Amorphous Solids | 0:05:49 | | |
| HS | Physical Science | Structure of Atoms | 3. | Photoelectric Effect: The Concept | 0:07:31 | | |
| HS | Physical Science | Structure of Atoms | 4. | Applications of Laser (Part-2) (Barcode Reader) | 0:02:19 | | |
| HS | Physical Science | Structure of Atoms | 5. | Lasers and their Uses | 0:06:35 | | \checkmark |
| HS | Physical Science | Structure and Properties of Matter | 1. | Valency | 0:06:36 | | |
| HS | Physical Science | Structure and Properties of Matter | 2. | Chemical Bonding | 0:05:11 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 3. | Covalent Bonds | 0:05:16 | | |
| HS | Physical Science | Structure and Properties of Matter | 4. | Types of Covalent Bonds and Lewis Representation | 0:03:20 | | |
| HS | Physical Science | Structure and Properties of Matter | 5. | Shapes of Covalent Molecules | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 6. | Co-ordinate Bond | 0:03:21 | | |
| HS | Physical Science | Structure and Properties of Matter | 7. | Geometry of Molecules | 0:06:43 | | |
| HS | Physical Science | Structure and Properties of Matter | 8. | Electron Geometry and Molecular Geometry | 0:03:33 | | |
| HS | Physical Science | Structure and Properties of Matter | 9. | VSEPR Theory | 0:04:03 | | |
| HS | Physical Science | Structure and Properties of Matter | 10. | The Sigma (σ) and the Pi (π) Bonds | 0:07:05 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 11. | Bonding in Carbon | 0:05:05 | | |
| HS | Physical Science | Structure and Properties of Matter | 12. | Properties of Non-Metals Favouring the Formation of Covalent Bonds | 0:06:42 | | |
| HS | Physical Science | Structure and Properties of Matter | 13. | Bond Energy | 0:07:28 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 14. | Electronegativity and Bond Character | 0:03:34 | | |
| HS | Physical Science | Structure and Properties of Matter | 15. | Atomic Orbitals | 0:05:24 | | \checkmark |
| HS | Physical Science | Structure and Properties of Matter | 16. | Factors Favouring the Formation of Ionic Compounds - I | 0:05:13 | | |
| HS | Physical Science | Structure and Properties of Matter | 17. | Factors Favouring the Formation of Ionic Compounds - II | 0:05:41 | | |
| HS | Physical Science | Structure and Properties of Matter | 18. | Hydrogen Molecule: A VBT Approach | 0:02:21 | | |
| HS | Physical Science | Structure and Properties of Matter | 19. | M O Diagram: Homonuclear Diatomic Molecules | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 20. | The Hydrogen Molecule (Molecular Orbital Diagram) | 0:06:02 | | |
| HS | Physical Science | Structure and Properties of Matter | 21. | Oxygen Molecule (The Molecular Orbital Diagram) | 0:03:53 | | |
| HS | Physical Science | Structure and Properties of Matter | 22. | M O Diagram: Heteronuclear Diatomic Molecules | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 23. | Molecular Orbitals Diagram of Ions | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 24. | Bond Order | 0:04:15 | | |
| HS | Physical Science | Structure and Properties of Matter | 25. | Fractional Bond Orders | 0:04:01 | | |
| HS | Physical Science | Structure and Properties of Matter | 26. | Hybridization of Atomic Orbitals | | √. | |
| HS | Physical Science | Structure and Properties of Matter | 27. | Types of Hybridization in Organic Compounds (sp³ Hybridization in Ethane) | 0:04:37 | √. | |
| HS | Physical Science | Structure and Properties of Matter | 28. | Types of Hybridization in Organic Compounds (sp² Hybridization in Ethene) | 0:03:34 | √, | |
| HS | Physical Science | Structure and Properties of Matter | 29. | Bonding in Acetylene | 0:04:19 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 30. | Fission of a Covalent Bond | 0:05:25 | | |
| HS | Physical Science | Structure and Properties of Matter | 31. | sp³d Hybridization in PCl ⁶ | 0:01:23 | | |
| HS | Physical Science | Structure and Properties of Matter | 32. | sp ³ d ² Hybridization in SF | 0:01:29 | | |
| HS | Physical Science | Structure and Properties of Matter | 33. | The Stability of an Expanded Octet of PCl (Using the Sudgen's concept of single) | 0:04:35 | , | |
| HS | Physical Science | Structure and Properties of Matter | 34. | Elements and their Symbols | | $\sqrt{}$ | |

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|-----|------------------|------------------------------------|------------|---|-------------------|--------------|--------------|
| PKG | C | Category Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Structure and Properties of Matter | 35. | Electronic Configuration and the Position of an Element in the Periodic Table | 0:05:34 | V | |
| HS | Physical Science | Structure and Properties of Matter | 36. | Introduction to Modern Periodic Table | | $\sqrt{}$ | |
| HS | Physical Science | Structure and Properties of Matter | 37. | Electronic Configuration of Noble Gases | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 38. | General Characteristics of Groups | 0:01:23 | | |
| HS | Physical Science | Structure and Properties of Matter | 39. | General Characteristics of Periods | 0:03:49 | | |
| HS | Physical Science | Structure and Properties of Matter | 40. | Fajan's Rule | 0:02:30 | | |
| HS | Physical Science | Structure and Properties of Matter | 41. | Covalent Character in Ionic Bonds | 0:05:44 | | |
| HS | Physical Science | Structure and Properties of Matter | 42. | Hydrogen Bonding | 0:06:12 | | |
| HS | Physical Science | Structure and Properties of Matter | 43. | Types of Hydrogen Bonds | 0:01:12 | | |
| HS | Physical Science | Structure and Properties of Matter | 44. | Atoms, Molecules and Ions | 0:07:04 | | |
| HS | Physical Science | Structure and Properties of Matter | 45. | Distinguishing Between a Mixture and a Compound | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 46. | Primitive Unit Cells (Part - I) | 0:04:47 | | |
| HS | Physical Science | Structure and Properties of Matter | 47. | Primitive Unit Cells (Part - II) | 0:04:21 | | |
| HS | Physical Science | Structure and Properties of Matter | 48. | Unit Cells in Crystal Lattices or Space Lattices Part - II | 0:05:48 | | |
| HS | Physical Science | Structure and Properties of Matter | 49. | Simple Cubic Crystal Lattices (AAA- Arrangement) | 0:03:15 | | |
| HS | Physical Science | Structure and Properties of Matter | 50. | Face Centred Cubic Crystal Lattice ABCABC Arrangement | 0:05:12 | | |
| HS | Physical Science | Structure and Properties of Matter | 51. | AB Type Ionic Crystals | 0:04:52 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 52. | The Sodium Chloride Lattice | 0:04:19 | | |
| HS | Physical Science | Structure and Properties of Matter | 53. | Density of a Cubic Crystalline Solid | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 54. | Number of Particles in a Cubic Unit Cell | 0:06:32 | | |
| HS | Physical Science | Structure and Properties of Matter | 55. | The Boiling Points of Alcohols and Hydrogen Bonding | 0:05:12 | | |
| HS | Physical Science | Structure and Properties of Matter | 56. | Dipole-Dipole Interactions | 0:04:04 | | |
| HS | Physical Science | Structure and Properties of Matter | 57. | Attraction Between Molecules - London Dispersion Forces | 0:02:52 | | |
| HS | Physical Science | Structure and Properties of Matter | 58. | Molecular Display | | | \checkmark |
| HS | Physical Science | Structure and Properties of Matter | 59. | 3D Representation of Organic Molecules | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 60. | Determining Melting and Boiling Points | | $\sqrt{}$ | |
| HS | Physical Science | Structure and Properties of Matter | 61. | Melting and Boiling Point of Water | 0:02:47 | | |
| HS | Physical Science | Structure and Properties of Matter | 62. | Viscosity | 0:03:18 | | |
| HS | Physical Science | Structure and Properties of Matter | 63. | Measurement of Viscosity | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 64. | Dipole Moment | 0:05:31 | $\sqrt{}$ | |
| HS | Physical Science | Structure and Properties of Matter | 65. | Applications of Dipole Moment | 0:04:09 | | |
| HS | Physical Science | Structure and Properties of Matter | 66. | Dipole Moment and Bond Character | 0:03:02 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 67. | Physical Nature of Matter | 0:02:19 | | |
| HS | Physical Science | Structure and Properties of Matter | 68. | States of Matter (Part - II) | 0:02:45 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 69. | Effect of Pressure on the Gaseous State of Matter | 0:02:46 | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 70. | Heat of Combustion of a Candle | | \checkmark | |
| HS | Physical Science | Structure and Properties of Matter | 71. | Effect of Temperature on the Liquid State of Matter | 0:03:36 | | |
| HS | Physical Science | Structure and Properties of Matter | 72. | Diffusion | 0:02:50 | \checkmark | |
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| PKG | Cate | egory | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Structure and Pr | roperties of Matter | 73. | Partial Pressure | 0:04:47 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 74. | Maxwell Speed Distribution | | \checkmark | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 75. | Volatile Liquids | | \checkmark | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 76. | Kinetic Theory of Matter-1 (SOLID) | 0:05:27 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 77. | Kinetic Theory of Matter-2 (Liquids) | 0:04:13 | | |
| HS | Physical Science | Structure and Pr | operties of Matter | 78. | Carbon | 0:01:54 | | |
| HS | Physical Science | Structure and Pr | operties of Matter | 79. | Difference Between Diamond and Graphite | 0:04:46 | \checkmark | |
| HS | Physical Science | Structure and Pr | operties of Matter | 80. | Fullerenes | 0:01:25 | | |
| HS | Physical Science | Structure and Pr | operties of Matter | 81. | Nomenclature of Hydrocarbons | | \checkmark | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 82. | Chemical Properties of Organic Compounds (Part - II) | 0:02:31 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 83. | Methane | 0:01:45 | | \checkmark |
| HS | Physical Science | Structure and Pr | roperties of Matter | 84. | Structure of Benzene | | | \checkmark |
| HS | Physical Science | Structure and Pr | operties of Matter | 85. | Classification of Carbon and Hydrogen Atoms in Alkanes | 0:02:31 | \checkmark | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 86. | Addition Reactions of Alkenes | 0:02:42 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 87. | Diene Compounds | 0:01:30 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 88. | Classification of Functional Groups(Part- 1) | 0:04:59 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 89. | IUPAC Nomenclature-I (Alkanes) | 0:02:09 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 90. | Structural Isomerism in Alkanes | 0:03:37 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 91. | Nomenclature of Geometric Isomers | 0:02:26 | | |
| HS | Physical Science | | roperties of Matter | 92. | Geometrical Isomerism in Hydrocarbons | 0:05:16 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 93. | IUPAC Nomenclature of Acyclic Organic Compounds | 0:06:02 | \checkmark | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 94. | Classification of Functional Groups(Part - II) | 0:06:21 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 95. | Destructive Distillation of Coal | 0:02:45 | $\sqrt{}$ | |
| HS | Physical Science | | roperties of Matter | 96. | Alkenes | 0:06:11 | \checkmark | |
| HS | Physical Science | | roperties of Matter | 97. | Biodiesel | 0:03:42 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 98. | Polythene | 0:04:13 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 99. | Effect of Heat on Polythene | 0:02:45 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 100. | Addition Polymerization (Free Radical Polymerization) | 0:03:28 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 101. | Properties and Uses of Plastics | 0:02:58 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 102. | Kevlar-The Bullet Resistant Polymer | 0:04:03 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 103. | Tacticity of Polymers | 0:03:16 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 104. | Polycyclic Aromatic Hydrocarbons | 0:05:30 | | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 105. | Bond Line Structures | | $\sqrt{}$ | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 106. | The Criteria for Aromaticity | 0:06:42 | V | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 1. | The Limiting Reactant | 0:03:05 | $\sqrt{}$ | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 2. | Ionization Energy | 0:02:59 | $\sqrt{}$ | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 3. | Atomic Radius and its Types | 0:01:55 | V | |
| HS | Physical Science | Structure and Pr | roperties of Matter | 4. | Electronegativity | 0:04:39 | $\sqrt{}$ | |

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| PKG Category Sub Topic Category # Topic | Video Sim Int |
|---|---------------------------|
| | Duration |
| HS Physical Science Structure and Properties of Matter 5. Periodic Trends in Atomic Radii | 0:02:39 √ |
| HS Physical Science Structure and Properties of Matter 6. Factors Affecting Atomic Radii | 0:05:16 |
| HS Physical Science Structure and Properties of Matter 7. Atomic Radius and the Halogen Elements | 0:03:24 √ |
| HS Physical Science Structure and Properties of Matter 8. Noble Gases | 0:03:57 |
| HS Physical Science Structure and Properties of Matter 9. Properties of Nitrogen Gas | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 10. Quantum Number for 3d Electrons | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 11. Quantum Numbers (Part - I) | 0:05:38 √ |
| HS Physical Science Structure and Properties of Matter 12. Quantum Numbers (Part -II) | 0:09:29 √ |
| HS Physical Science Structure and Properties of Matter 13. Rules for Filling of Atomic Orbitals | 0:07:09 √ |
| HS Physical Science Structure and Properties of Matter 14. Formula Weight | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 15. The Empirical Formula and Molecular Formula of | Compound Part - 1 0:04:07 |
| HS Physical Science Structure and Properties of Matter 16. The Empirical Formula and Molecular Formula of | Compound Part - 2 0:05:40 |
| HS Physical Science Structure and Properties of Matter 17. Formality | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 18. Normality | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 19. Concentrations of Solutions Molarity (M) | 0:05:50 √ |
| HS Physical Science Structure and Properties of Matter 20. Concentration of Solutions Molality (m) | 0:03:11 √ |
| HS Physical Science Structure and Properties of Matter 21. Laboratory Preparation of Hydrogen (Quantitative | spect) √ |
| HS Physical Science Structure and Properties of Matter 22. Flame Test | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 23. Principles of Extraction of Metals | 0:04:53 |
| HS Physical Science Structure and Properties of Matter 24. Nomenclature of Aliphatic Amines | 0:06:31 √ |
| HS Physical Science Structure and Properties of Matter 25. Basic Nature of Amines | 0:05:59 |
| HS Physical Science Structure and Properties of Matter 26. Tests to Detect Amines | 0:04:53 |
| HS Physical Science Structure and Properties of Matter 27. Preparation of Amines | 0:04:38 |
| HS Physical Science Structure and Properties of Matter 28. Sulphonation of Benzene | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 29. Chlorination of Benzene | 0:01:56 |
| HS Physical Science Structure and Properties of Matter 30. Friedel-Crafts Alkylation of Benzene | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 31. Friedel-Crafts Acylation of Benzene | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 32. Nitration of Benzene | $\sqrt{}$ |
| HS Physical Science Structure and Properties of Matter 33. Reactions of Amines with Nitrous Acid | 0:02:30 |
| HS Physical Science Structure and Properties of Matter 34. Azo Coupling Reaction | 0:03:00 |
| HS Physical Science Structure and Properties of Matter 35. Laboratory Preparation and Physical Properties of | henol 0:03:05 √ |
| HS Physical Science Structure and Properties of Matter 36. Inductive Effect | 0:04:29 |
| HS Physical Science Structure and Properties of Matter 37. Molecular Size and Solubility | 0:02:02 |
| HS Physical Science Structure and Properties of Matter 38. Factors Affecting the Solubility of a Solute in a So | vent 0:03:49 |
| HS Physical Science Structure and Properties of Matter 39. Electromeric Effect | 0:06:31 |
| HS Physical Science Structure and Properties of Matter 40. Oxidation of Aldehydes | 0:05:08 |
| HS Physical Science Structure and Properties of Matter 41. Carbonyl Compounds and their Classification | \checkmark |
| HS Physical Science Structure and Properties of Matter 42. Condensation Reactions of Aldehydes and Ketone | Mechanism) 0:07:04 |

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|-----|------------------|----------|------------------------------------|------------|--|-------------------|--------------|--------------|
| PKG | | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | | Structure and Properties of Matter | 43. | Hyperconjugation in Carbocations (No Bond Resonance) | 0:02:47 | | |
| HS | Physical Science | | Structure and Properties of Matter | 44. | Carbocation Stability (Inductive Effect) | 0:03:36 | | |
| HS | Physical Science | | Structure and Properties of Matter | 45. | Nomenclature of Aldehydes and Ketones | 0:05:07 | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 46. | Classification of Ethers | 0:02:10 | | |
| HS | Physical Science | | Structure and Properties of Matter | 47. | Soaps and Detergents | 0:03:03 | | |
| HS | Physical Science | | Structure and Properties of Matter | 48. | Applications of Inductive Effect | 0:04:41 | | |
| HS | Physical Science | | Structure and Properties of Matter | 49. | Chemiluminescence | 0:02:48 | | |
| HS | Physical Science | | Structure and Properties of Matter | 50. | Combustion Analysis (Liebig's method) | | \checkmark | |
| HS | Physical Science | | Structure and Properties of Matter | 51. | Nomenclature of Carboxylic Acid | | \checkmark | |
| HS | Physical Science | | Structure and Properties of Matter | 52. | Laboratory Preparation of Acetylene | | | \checkmark |
| HS | Physical Science | | Structure and Properties of Matter | 53. | Isomers and Isomerism | | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 54. | Nomenclature of Phenol | | \checkmark | |
| HS | Physical Science | | Structure and Properties of Matter | 55. | Classification of Carbocations | | | \checkmark |
| HS | Physical Science | | Structure and Properties of Matter | 56. | Nomenclature of Ether | | \checkmark | |
| HS | Physical Science | | Structure and Properties of Matter | 57. | Laboratory Preparation of Soap | | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 58. | Classification of Alkyl Halides | | | \checkmark |
| HS | Physical Science | | Structure and Properties of Matter | 59. | Nomenclature of Halogenated | | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 60. | C.I.P. Rule | | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 61. | Drawing Resonance Structures | 0:05:00 | | |
| HS | Physical Science | | Structure and Properties of Matter | 62. | Formal Charge | | $\sqrt{}$ | |
| HS | Physical Science | | Structure and Properties of Matter | 63. | Laboratory Preparation of Nitric acid | 0:03:03 | | |
| HS | Physical Science | | Structure and Properties of Matter | 64. | Allotropic Forms of Phosphorus | 0:03:15 | | |
| HS | Physical Science | | Structure and Properties of Matter | 65. | Construction of a Blast Furnace | 0:03:15 | | |
| HS | Physical Science | | Structure and Properties of Matter | 66. | Laboratory Preparation of Nitrogen Gas | | √. | |
| HS | Physical Science | | Structure and Properties of Matter | 67. | Commercial Preparation of Nitrogen Gas | | $\sqrt{}$ | |
| HS | Physical Science | | Chemical Reactions | 1. | Types of Organic Reactions | 0:05:29 | | |
| HS | Physical Science | | Chemical Reactions | 2. | Heat Change During Chemical Reactions | 0:01:30 | , | |
| HS | Physical Science | | Chemical Reactions | 3. | Enthalpy of Neutralization | | √, | |
| HS | Physical Science | | Chemical Reactions | 4. | Heat of Combustion of a Candle | | $\sqrt{}$ | |
| HS | Physical Science | | Chemical Reactions | 5. | Heat of Solution | 0:03:40 | \checkmark | |
| HS | Physical Science | | Chemical Reactions | 6. | Calorific Value and Fuel Efficiency | 0:04:25 | , | |
| HS | Physical Science | | Chemical Reactions | 7. | Determination of Calorific Value of Fuels | | √, | |
| HS | Physical Science | | Chemical Reactions | 8. | Fuel Efficiency | | V | |
| HS | Physical Science | | Chemical Reactions | 9. | Redox Reaction | 0:05:11 | | |
| HS | Physical Science | | Chemical Reactions | 10. | Polyatomic Ions | 0:02:37 | | |
| HS | Physical Science | | Chemical Reactions | 11. | Disproportionation Reaction | 0:03:54 | | |
| HS | Physical Science | | Chemical Reactions | 12. | Physical Properties of Bases | 0:02:23 | | |
| HS | Physical Science | | Chemical Reactions | 13. | Physical and Chemical Changes | 0:03:14 | | |

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| PKG | | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Che | emical Reactions | 14. | Greenhouse Gases | 0:04:01 | | |
| HS | Physical Science | Che | emical Reactions | 15. | Effect of Temperature on pH of Water | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 16. | The Common Component of all Acids | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 17. | Properties of Acetic acid | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 18. | Determining pH | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 19. | Properties of Acids and Bases | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 20. | Physical Properties of Acids | 0:03:39 | | |
| HS | Physical Science | Che | emical Reactions | 21. | Classification of Acids, Bases and Salts | | | \checkmark |
| HS | Physical Science | Che | emical Reactions | 22. | pH of Rain Water | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 23. | Acidic Buffer | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 24. | Basic Buffer | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 25. | pH Scale and its Limitations | 0:08:23 | | |
| HS | Physical Science | Che | emical Reactions | 26. | Salt Hydrolysis | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 27. | Calculating pH for Strong and Weak Acids | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 28. | Calculating pH for Strong and Weak Bases | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 29. | Acid Base Titrations | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 30. | Neutralization | 0:03:14 | | |
| HS | Physical Science | Che | emical Reactions | 31. | Preparation of Soluble Salts | 0:05:00 | | |
| HS | Physical Science | Che | emical Reactions | 32. | Preparation of Insoluble Salts | 0:02:13 | | |
| HS | Physical Science | Che | emical Reactions | 33. | Nernst Equation | 0:03:38 | | |
| HS | Physical Science | Che | emical Reactions | 34. | Electrophilic and Nucleophilic Reagents | 0:05:04 | | |
| HS | Physical Science | Che | emical Reactions | 35. | Rate of Reaction | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 36. | Rate of Reaction (Effect of Surface Area and Catalyst) | 0:04:07 | | |
| HS | Physical Science | Che | emical Reactions | 37. | Initial Rate Method | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 38. | Average and Instantaneous Rates of Reaction | 0:07:38 | | |
| HS | Physical Science | Che | emical Reactions | 39. | Kinetics of First Order Reaction | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 40. | Kinetics of Second Order Reaction | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 41. | Collision Theory | 0:07:19 | | |
| HS | Physical Science | Che | emical Reactions | 42. | Homogeneous Catalysts | 0:03:40 | | |
| HS | Physical Science | Che | emical Reactions | 43. | Heterogeneous Catalysts | 0:03:19 | | |
| HS | Physical Science | Che | emical Reactions | 44. | Enzymes as biocatalysts | 0:03:22 | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 1. | Ion Electron Method | | \checkmark | |
| HS | Physical Science | Che | emical Reactions | 2. | Thermite Reaction | 0:04:02 | | |
| HS | Physical Science | Mo | tions and Forces | 1. | Force: A Push or a Pull | 0:02:22 | | |
| HS | Physical Science | Mo | | 2. | Effects of Force | 0:03:01 | | |
| HS | Physical Science | Mo | | 3. | Newton's First Law of Motion | 0:03:11 | | |
| HS | Physical Science | Mo | | 4. | Newton's Second Law of Motion | 0:07:07 | | |
| HS | Physical Science | Mo | tions and Forces | 5. | Newton's Third Law of Motion | 0:04:09 | | |
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| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Motions and Forces | 6. | Third Law of Motion using Two Spring | | $\sqrt{}$ | |
| HS | Physical Science | Motions and Forces | 7. | Balanced Forces | 0:04:24 | | |
| HS | Physical Science | Motions and Forces | 8. | Gravitation | | \checkmark | |
| HS | Physical Science | Motions and Forces | 9. | Mass and Weight | 0:05:05 | | |
| HS | Physical Science | Motions and Forces | 10. | Centripetal Force | | \checkmark | |
| HS | Physical Science | Motions and Forces | 11. | Freely Falling Body | | \checkmark | |
| HS | Physical Science | Motions and Forces | 12. | Escape Speed | 0:09:00 | | |
| HS | Physical Science | Motions and Forces | 13. | Variation of Gravitational Acceleration with Altitude | | \checkmark | |
| HS | Physical Science | Motions and Forces | 14. | Electrostatic Force and Coulomb's Law | 0:05:35 | | |
| HS | Physical Science | Motions and Forces | 15. | Electrostatic Force (A Non-contact Force) | 0:04:49 | | |
| HS | Physical Science | Motions and Forces | 16. | Electric Charge | 0:05:14 | | |
| HS | Physical Science | Motions and Forces | 17. | Properties of Electric Charge | 0:05:29 | | |
| HS | Physical Science | Motions and Forces | 18. | Gold-Leaf Electroscope | | \checkmark | |
| HS | Physical Science | Motions and Forces | 19. | Electrostatic Force and Coulomb's Law | 0:05:35 | | |
| HS | Physical Science | Motions and Forces | 20. | Electrostatic Force (A Non-contact Force) | 0:04:49 | | |
| HS | Physical Science | Motions and Forces | 21. | Electric Field | 0:04:02 | | |
| HS | Physical Science | Motions and Forces | 22. | Electric Field Lines | 0:02:56 | | |
| HS | Physical Science | Motions and Forces | 23. | Motion of Charge in a Magnetic Field (Part-1) | 0:04:17 | \checkmark | |
| HS | Physical Science | Motions and Forces | 24. | Motion of Charge in a Magnetic Field (Part-2) | 0:05:23 | \checkmark | |
| HS | Physical Science | Motions and Forces | 25. | Fleming's Left Hand Rule | 0:02:01 | | |
| HS | Physical Science | Motions and Forces | 26. | Fundamentals of a DC Motor | 0:07:31 | \checkmark | $\sqrt{}$ |
| HS | Physical Science | Motions and Forces | 27. | AC Motor | 0:05:13 | | $\sqrt{}$ |
| HS | Physical Science | Motions and Forces | 28. | AC Generator | 0:06:05 | \checkmark | $\sqrt{}$ |
| HS | Physical Science | Motions and Forces | 29. | Faraday's Laws of Electromagnetic Induction | | \checkmark | |
| HS | Physical Science | Motions and Forces | 30. | Torque on a Current Carrying Loop in a Uniform Magnetic Field | 0:06:41 | \checkmark | |
| HS | Physical Science | Motions and Forces | 31. | Magnetic Field due to a Straight Wire Carrying Current (Part-1) | 0:06:02 | \checkmark | |
| HS | Physical Science | Motions and Forces | 32. | Magnetic Field due to a Straight Wire Carrying Current (Part-2) | 0:03:09 | \checkmark | |
| HS | Physical Science | Motions and Forces | 33. | Magnetic Field due to a Current Carrying Circular Coil (Part-1) | | \checkmark | |
| HS | Physical Science | Motions and Forces | 34. | Magnetic Field due to a Current Carrying Circular Coil (Part-2) | | \checkmark | |
| HS | Physical Science | Motions and Forces | 35. | Lenz's Law | 0:04:13 | \checkmark | |
| HS | Physical Science | Motions and Forces | 36. | Eddy Currents | 0:09:30 | | |
| HS | Physical Science | Motions and Forces | 37. | Effects Of Eddy Currents (Electromagnetic Damping) | 0:09:07 | | |
| HS | Physical Science | Motions and Forces | 38. | Effects of Eddy Currents (Levitation) | 0:04:01 | | |
| HS | Physical Science | Motions and Forces | 39. | Force on a Current-Carrying Conductor in a Magnetic Field | 0:05:14 | \checkmark | |
| HS | Physical Science | Motions and Forces | 40. | Reed Switch | 0:03:29 | $\sqrt{}$ | $\sqrt{}$ |
| HS | Physical Science | Motions and Forces | 41. | Electric Current | 0:05:40 | | |
| HS | Physical Science | Motions and Forces | 42. | Electric Power | 0:08:45 | | |
| HS | Physical Science | Motions and Forces | 43. | Conversion of a Galvanometer into Ammeter | | $\sqrt{}$ | |
| | | | | | | | |

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| PKG | | Category | Sub Category | Topic # | | Video Duration | Sim | Int |
| HS | Physical Science | | Motions and Forces | 44. | Conversion of a Galvanometer into Voltmeter | | V | |
| HS | Physical Science | | Motions and Forces | 45. | Wheatstone Bridge | | | |
| HS | Physical Science | | Motions and Forces | 46. | Force between two Parallel Wires Carrying Current | | | |
| HS | Physical Science | | Motions and Forces | 47. | LC Oscillations | 0:06:50 | | |
| HS | Physical Science | | Motions and Forces | 48. | RL Circuit (Growth Phase) | 0:08:06 | | |
| HS | Physical Science | | Motions and Forces | 49. | RL Circuit (Decay Phase) | 0:06:01 | | |
| HS | Physical Science | | Motions and Forces | 50. | Transformers | 0:09:18 | | \checkmark |
| HS | Physical Science | | Motions and Forces | 51. | Energy Losses in a Transformer | 0:06:20 | | |
| HS | Physical Science | | Motions and Forces | 52. | Magnetic Dipole Moment | 0:07:05 | | |
| HS | Physical Science | | Motions and Forces | 53. | RC Circuit | 0:04:54 | | |
| HS | Physical Science | | Motions and Forces | 1. | Archimedes' Principle | 0:06:00 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 1. | Transformation of Energy | 0:08:02 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 2. | Transfer of Heat (Conduction) | 0:04:12 | \checkmark | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 3. | Heat Conduction and Steady State | 0:04:38 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 4. | Kinetic Energy | 0:05:16 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 5. | Hydroelectric Power | 0:05:47 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 6. | Work and the First Law of Thermodynamics | 0:04:23 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 7. | Maxwell Speed Distribution | | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 8. | Change in Entropy | | \checkmark | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 9. | Pressure – Volume (P-V) Work | | \checkmark | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 10. | Calorific Value and Fuel Efficiency | 0:04:25 | | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 11. | Work Done in a Chemical Systems | | | \checkmark |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 12. | Electrical Conductivity: Liquids | | \checkmark | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 13. | Thermal Conductivity | 0:06:35 | \checkmark | |
| HS | Physical Science | | Conservation of Energy & Increase in Disorder | 14. | Area Expansion in Solids | | \checkmark | |
| HS | Physical Science | | Interactions of Energy and Matter | 1. | Sound | 0:03:52 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 2. | The Propagation of Sound Waves through Air | 0:04:34 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 3. | Propagation of Sound Waves through Different Media | 0:02:47 | \checkmark | |
| HS | Physical Science | | Interactions of Energy and Matter | 4. | Longitudinal Waves | | \checkmark | |
| HS | Physical Science | | Interactions of Energy and Matter | 5. | SONAR | 0:06:40 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 6. | Ripple Tank Experiment to Illustrate Interference | 0:06:59 | \checkmark | |
| HS | Physical Science | | Interactions of Energy and Matter | 7. | Doppler Effect in Sound | 0:06:11 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 8. | Different Cases of Doppler Effect | 0:05:32 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 9. | Speed of Sound | 0:06:39 | $\sqrt{}$ | |
| HS | Physical Science | | Interactions of Energy and Matter | 10. | I- V Characteristics of a p-n Junction Diode | | $\sqrt{}$ | |
| HS | Physical Science | | Interactions of Energy and Matter | 11. | Waves | 0:04:10 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 12. | Electromagnetic Spectrum (Part - 1) | 0:05:19 | | |
| HS | Physical Science | | Interactions of Energy and Matter | 13. | Electromagnetic Spectrum (Part - 2) | 0:03:51 | | |

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| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Physical Science | Interactions of Energy and Matter | 14. | X - ray Spectrum | 0:06:43 | | |
| HS | Physical Science | Interactions of Energy and Matter | 15. | Emission Spectra and the Flame Test | 0:06:02 | \checkmark | |
| HS | Physical Science | Interactions of Energy and Matter | 16. | Hydrogen Spectrum and its Explanation by Bohr | 0:07:10 | | |
| HS | Physical Science | Interactions of Energy and Matter | 17. | Atomic Energy levels | 0:06:04 | $\sqrt{}$ | |
| HS | Physical Science | Interactions of Energy and Matter | 18. | Semiconductors | 0:07:05 | | |
| HS | Physical Science | Interactions of Energy and Matter | 19. | Intrinsic Semiconductors | 0:03:42 | | |
| HS | Physical Science | Interactions of Energy and Matter | 20. | Extrinsic Semiconductor (Part-1) | 0:04:02 | | |
| HS | Physical Science | Interactions of Energy and Matter | 21. | Extrinsic Semiconductor (Part-2) | 0:02:51 | | |
| HS | Physical Science | Interactions of Energy and Matter | 1. | Superposition of Waves | | $\sqrt{}$ | |
| HS | Physical Science | Interactions of Energy and Matter | 2. | Wave-Particle Duality | 0:07:56 | | |
| HS | Life Science | The Cell | 1. | Physiology of cell membrane | 0:05:06 | \checkmark | \checkmark |
| HS | Life Science | The Cell | 2. | Cell structure | | | \checkmark |
| HS | Life Science | The Cell | 3. | Eukaryotic Cell | 0:03:02 | \checkmark | |
| HS | Life Science | The Cell | 4. | Cell organelles (ER, Golgi body) | 0:03:59 | | \checkmark |
| HS | Life Science | The Cell | 5. | Cell organelles (Ribosomes, centrioles) | 0:04:05 | | \checkmark |
| HS | Life Science | The Cell | 6. | Chemiosmosis (ATP Synthesis) | 0:04:06 | \checkmark | \checkmark |
| HS | Life Science | The Cell | 7. | The role of ATP in active transport | 0:02:18 | | |
| HS | Life Science | The Cell | 8. | Enzymes as biocatalysts | 0:03:22 | \checkmark | |
| HS | Life Science | The Cell | 9. | Cofactors | 0:03:51 | | |
| HS | Life Science | The Cell | 10. | Protein synthesis (Translation) | 0:04:35 | $\sqrt{}$ | \checkmark |
| HS | Life Science | The Cell | 11. | DNA Replication | | $\sqrt{}$ | |
| HS | Life Science | The Cell | 12. | Transcription | | $\sqrt{}$ | \checkmark |
| HS | Life Science | The Cell | 13. | Cell division (Mitosis) | 0:04:15 | $\sqrt{}$ | |
| HS | Life Science | The Cell | 14. | Photosynthesis (Light reaction) | 0:07:16 | | \checkmark |
| HS | Life Science | The Cell | 15. | Embryonic development | 0:04:21 | | |
| HS | Life Science | The Cell | 1. | Prokaryotes | 0:03:38 | \checkmark | |
| HS | Life Science | The Cell | 2. | Cell (shapes and functions) | 0:04:05 | | $\sqrt{}$ |
| HS | Life Science | The Cell | 3. | Role of components of cell membrane | | | $\sqrt{}$ |
| HS | Life Science | The Cell | 4. | Nucleus | | | \checkmark |
| HS | Life Science | The Cell | 5. | Bulk transport | 0:02:28 | , | , |
| HS | Life Science | The Cell | 6. | Transport across membranes | 0:03:56 | \checkmark | \checkmark |
| HS | Life Science | The Cell | 7. | Plasmolysis | 0:02:17 | | |
| HS | Life Science | The Cell | 8. | Mitosis | 0:03:16 | | |
| HS | Life Science | The Cell | 9. | Structure of Cilia in Paramecium | 0:01:15 | , | |
| HS | Life Science | The Cell | 10. | Blood cells | 0:04:51 | \checkmark | , |
| HS | Life Science | The Cell | 11. | Neuroglial cell (Microglial) | | | $\sqrt{}$ |
| HS | Life Science | The Cell | 12. | Scanning Electron Microscope | | , | \checkmark |
| HS | Life Science | The Cell | 13. | Light Microscope | | \checkmark | |

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61:26:24 1,162 978 459 195

| | | | | 1,102 | 978 | 459 | 195 |
|-----|--------------|---------------------------------|------------|--|-------------------|--------------|--------------|
| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Life Science | The Cell | 14. | Darkfield microscopy | 0:02:00 | | $\sqrt{}$ |
| HS | Life Science | The Cell | 15. | Microscope and Cells | 0:02:28 | \checkmark | |
| HS | Life Science | The Cell | 16. | Structure of Onion peel and Cork cells | 0:01:34 | | |
| HS | Life Science | The Cell | 17. | Preparation of temporary mount of an onion peel | | \checkmark | |
| HS | Life Science | The Cell | 18. | Preparation of temporary mount of cheek cells | | \checkmark | |
| HS | Life Science | The Cell | 19. | Temporary Mount of Leaf Peel | | \checkmark | |
| HS | Life Science | The Cell | 20. | Extracellular and intracellular enzymes | 0:02:56 | | |
| HS | Life Science | The Molecular Basis of Heredity | 1. | DNA Structure | 0:02:54 | $\sqrt{}$ | \checkmark |
| HS | Life Science | The Molecular Basis of Heredity | 2. | DNA Replication | | $\sqrt{}$ | |
| HS | Life Science | The Molecular Basis of Heredity | 3. | Bacterial transformation and conjugation | 0:02:47 | | |
| HS | Life Science | The Molecular Basis of Heredity | 4. | Chromosomes, genes and DNA | 0:03:50 | | |
| HS | Life Science | The Molecular Basis of Heredity | 5. | Cell and its DNA | 0:03:43 | | |
| HS | Life Science | The Molecular Basis of Heredity | 6. | Genetic code | | $\sqrt{}$ | |
| HS | Life Science | The Molecular Basis of Heredity | 7. | Chromatin Structure | 0:01:40 | | \checkmark |
| HS | Life Science | The Molecular Basis of Heredity | 8. | Human sex determination | 0:04:05 | | |
| HS | Life Science | The Molecular Basis of Heredity | 9. | Mutation | 0:02:28 | | \checkmark |
| HS | Life Science | The Molecular Basis of Heredity | 10. | Damage Caused By UV Radiation | 0:01:37 | | |
| HS | Life Science | The Molecular Basis of Heredity | 1. | Lac Operon | | $\sqrt{}$ | |
| HS | Life Science | The Molecular Basis of Heredity | 2. | Tryptophan Operon | | \checkmark | |
| HS | Life Science | The Molecular Basis of Heredity | 3. | Structure of DNA | 0:02:54 | \checkmark | \checkmark |
| HS | Life Science | The Molecular Basis of Heredity | 4. | Karyotype | 0:02:21 | \checkmark | |
| HS | Life Science | The Molecular Basis of Heredity | 5. | Ribonucleic acid | | | \checkmark |
| HS | Life Science | The Molecular Basis of Heredity | 6. | Principle of dominance | | \checkmark | |
| HS | Life Science | The Molecular Basis of Heredity | 7. | Law of dominance | | \checkmark | |
| HS | Life Science | The Molecular Basis of Heredity | 8. | Test cross | | \checkmark | |
| HS | Life Science | Biological Evolution | 1. | Urey Miller's Experiment | 0:03:55 | | |
| HS | Life Science | Biological Evolution | 2. | Difference between vertebrates and invertebrates | | | \checkmark |
| HS | Life Science | Biological Evolution | 3. | Hydra | 0:01:09 | | \checkmark |
| HS | Life Science | Biological Evolution | 4. | Worms | 0:02:49 | | |
| HS | Life Science | Biological Evolution | 5. | General characteristics of insects | 0:05:05 | | \checkmark |
| HS | Life Science | Biological Evolution | 6. | Starfish and Snail | 0:02:58 | | \checkmark |
| HS | Life Science | Biological Evolution | 7. | Algae and Diatoms | 0:02:12 | | \checkmark |
| HS | Life Science | Biological Evolution | 8. | Gymnosperms | 0:02:28 | | |
| HS | Life Science | Biological Evolution | 9. | Types of Fungi | 0:03:53 | | |
| HS | Life Science | Biological Evolution | 10. | Virus (Bacteriophage) | 0:01:09 | | \checkmark |
| HS | Life Science | Biological Evolution | 11. | Fish | 0:04:10 | | \checkmark |
| HS | Life Science | Biological Evolution | 12. | Osteichthyes and Chondrichthyes | 0:03:41 | | √. |
| HS | Life Science | Biological Evolution | 13. | Diatoms | | | \checkmark |
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| | | Sb | Tonio | | | 737 | 175 |
| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
| HS | Life Science | Biological Evolution | 14. | Algae (Chlamydomonas) | | | $\sqrt{}$ |
| HS | Life Science | Biological Evolution | 15. | Spirogyra | | \checkmark | |
| HS | Life Science | Biological Evolution | 16. | Funaria (Moss) | | \checkmark | |
| HS | Life Science | Biological Evolution | 17. | Fern | | \checkmark | |
| HS | Life Science | Biological Evolution | 18. | Angiosperms | | \checkmark | |
| HS | Life Science | Biological Evolution | 19. | Agaricus (Mushroom) | | \checkmark | |
| HS | Life Science | Biological Evolution | 1. | Binary fission in amoeba | | \checkmark | |
| HS | Life Science | Biological Evolution | 2. | Euglena | 0:04:33 | | \checkmark |
| HS | Life Science | Biological Evolution | 3. | Filter feeding | 0:02:26 | | |
| HS | Life Science | Biological Evolution | 4. | Shark | | | \checkmark |
| HS | Life Science | Biological Evolution | 5. | Bony fish | | \checkmark | |
| HS | Life Science | Biological Evolution | 6. | Gaseous exchange in animals | | | \checkmark |
| HS | Life Science | Biological Evolution | 7. | Bird flight | 0:03:39 | | |
| HS | Life Science | Biological Evolution | 8. | Alternation of generation – Spirogyra | | | \checkmark |
| HS | Life Science | Biological Evolution | 9. | Yeast and Fungi | 0:02:57 | | \checkmark |
| HS | Life Science | Biological Evolution | 10. | Budding in yeast | | \checkmark | |
| HS | Life Science | Biological Evolution | 11. | Viral Replication | | \checkmark | |
| HS | Life Science | Biological Evolution | 12. | Types of pathogenic bacteria | | | \checkmark |
| HS | Life Science | Biological Evolution | 13. | Viruses | 0:03:02 | \checkmark | \checkmark |
| HS | Life Science | Interdependence of Organisms | 1. | Energy flow in an ecosystem | 0:03:48 | | |
| HS | Life Science | Interdependence of Organisms | 2. | Food chain | 0:02:52 | | |
| HS | Life Science | Interdependence of Organisms | 3. | Ecological Pyramids | 0:05:07 | | \checkmark |
| HS | Life Science | Interdependence of Organisms | 4. | Air pollution | 0:02:59 | \checkmark | |
| HS | Life Science | Interdependence of Organisms | 5. | Water pollution and its effect (Eutrophication) | 0:03:13 | | |
| HS | Life Science | Interdependence of Organisms | 6. | Global warming | 0:02:25 | | |
| HS | Life Science | Interdependence of Organisms | 1. | Xerophytes | | | \checkmark |
| HS | Life Science | Interdependence of Organisms | 2. | Food Web | | \checkmark | |
| HS | Life Science | Interdependence of Organisms | 3. | Forest ecosystem | 0:02:12 | | |
| HS | Life Science | Interdependence of Organisms | 4. | Aquatic ecosystem | 0:02:30 | | |
| HS | Life Science | Interdependence of Organisms | 5. | Ponds and Lakes | 0:02:05 | | \checkmark |
| HS | Life Science | Interdependence of Organisms | 6. | Waste disposal (Vermicomposting) | 0:02:50 | | |
| HS | Life Science | Interdependence of Organisms | 7. | Plastic recycling | 0:02:32 | | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 1. | Photosynthesis in plants | 0:03:50 | \checkmark | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 2. | Chemiosmosis (ATP Synthesis) | 0:04:06 | \checkmark | \checkmark |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 3. | Carbohydrates | 0:02:07 | | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 4. | Structure of Monosaccaharides | | $\sqrt{}$ | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 5. | Monosaccharide and Disaccharide | 0:02:56 | $\sqrt{}$ | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 6. | Fats | 0:01:12 | $\sqrt{}$ | |

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61:26:24 1,162 978 459 195

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|-----|-----------------------|---|------------|---|-------------------|--------------|--------------|
| PKG | Category | Sub Category | Topic # | Topic | Video Duration | Sim | Int |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 7. | Proteins | 0:00:53 | | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 8. | Energy flow in an ecosystem | 0:03:48 | | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 9. | Ecological Pyramids | 0:05:07 | | \checkmark |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 1. | Simple tests for carbohydrates, fats and proteins | 0:02:18 | | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 2. | Detection of starch | | \checkmark | |
| HS | Life Science | Matter, Energy and Organization in Living Systems | 3. | Chemical analysis of Adulterants | | \checkmark | |
| HS | Life Science | Behavior of Organisms | 1. | Nervous system | 0:03:13 | \checkmark | |
| HS | Life Science | Behavior of Organisms | 2. | Structure of neuron | 0:03:21 | \checkmark | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 3. | Types of neurons | 0:03:49 | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 4. | Myelinated neuron | | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 5. | Neuroglial cells | 0:02:04 | \checkmark | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 6. | Nerve | | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 7. | Cranial Nerves | 0:01:56 | \checkmark | |
| HS | Life Science | Behavior of Organisms | 8. | Impulse transmission | 0:02:57 | \checkmark | \checkmark |
| HS | Life Science | Behavior of Organisms | 9. | Brain (Anatomy and function) | 0:04:37 | \checkmark | |
| HS | Life Science | Behavior of Organisms | 10. | Spinal cord (Myelon) | 0:03:31 | | |
| HS | Life Science | Behavior of Organisms | 11. | Reflex arc | 0:03:03 | | \checkmark |
| HS | Life Science | Behavior of Organisms | 12. | Mechanism of hearing | 0:05:13 | \checkmark | |
| HS | Life Science | Behavior of Organisms | 13. | Tongue (Organ of taste) | 0:04:14 | \checkmark | |
| HS | Life Science | Behavior of Organisms | 14. | Olfactory System of Human Beings | 0:02:12 | | |
| HS | Life Science | Behavior of Organisms | 1. | Nervous system of cockroach | | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 2. | Regeneration among animals | 0:01:45 | | |
| HS | Life Science | Behavior of Organisms | 3. | Impulse transmission (Action potential) | 0:03:45 | \checkmark | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 4. | Hindbrain or Rhombencephalon | | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 5. | Meninges of brain | | | $\sqrt{}$ |
| HS | Life Science | Behavior of Organisms | 6. | Disorders of the brain (Multiple sclerosis) | 0:03:41 | | |
| HS | Earth & Space Science | Energy in the Earth System | 1. | The Sun (Part-1) | 0:05:15 | | $\sqrt{}$ |
| HS | Earth & Space Science | Energy in the Earth System | 2. | The Sun (Part-2) | 0:05:25 | | $\sqrt{}$ |
| HS | Earth & Space Science | Energy in the Earth System | 3. | Temperature of the Earth | 0:04:21 | | |
| HS | Earth & Space Science | Geochemical Cycles | 1. | Carbon cycle | | \checkmark | |
| HS | Earth & Space Science | Geochemical Cycles | 2. | Water Cycle | | \checkmark | |
| HS | Earth & Space Science | Geochemical Cycles | 3. | Atom Economy | | \checkmark | |
| HS | Earth & Space Science | Geochemical Cycles | 4. | Layers of the Earth's Atmosphere | | \checkmark | |
| HS | Earth & Space Science | Geochemical Cycles | 1. | Magic of Water | 0:02:44 | | |
| HS | Earth & Space Science | Origin and Evolution of the Earth System | 1. | Evolution of Solar System | 0:01:57 | \checkmark | |
| HS | Earth & Space Science | Origin and Evolution of the Earth System | 2. | The Sun (Part-1) | 0:05:15 | | $\sqrt{}$ |
| HS | Earth & Space Science | Origin and Evolution of the Earth System | 3. | The Sun (Part-2) | 0:05:25 | | \checkmark |
| HS | Earth & Space Science | Origin and Evolution of the Earth System | 4. | Solar System (The Inner Planets) | 0:05:36 | \checkmark | |

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61:26:24 1,162 978 459 195

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|-----|---|--|-------|---|-------------------|--------------|--------------|
| PKG | Category | Sub Category | Topic | Торіс | Video Duration | Sim | Int |
| HS | Earth & Space Science | Origin and Evolution of the Earth System | 5. | Radioactivity and Group Displacement Law | | V | |
| HS | Earth & Space Science | Origin and Evolution of the Universe | 1. | Nuclear Fusion | | | |
| HS | Earth & Space Science | Origin and Evolution of the Universe | 1. | Hertzsprung-Russell Diagram | | \checkmark | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 1. | Cancer | 0:03:33 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 2. | Cancer therapy (Nanotechnology) | 0:04:28 | \checkmark | \checkmark |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 3. | Drug resistance | 0:03:44 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 4. | Types of Vaccines | 0:02:10 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 5. | AIDS | 0:05:41 | \checkmark | \checkmark |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 6. | High calorie diet and obesity | 0:03:09 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 1. | Deficiency diseases | 0:01:24 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 2. | Types of Diabetes | 0:03:55 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 3. | Complications of diabetes | 0:03:46 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 4. | Glucose metabolism disorder (Diabetes) | 0:03:01 | | \checkmark |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 5. | Scoliosis | | | \checkmark |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 6. | Cholesterol | 0:04:01 | | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 7. | Atherosclerosis (Heart Disease) | 0:01:57 | \checkmark | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 8. | Disorders of the heart | 0:02:13 | \checkmark | |
| HS | Science in Personal & Social Perspectives | Personal & Community Health | 9. | Bone disorder (Osteoporosis) | 0:03:06 | \checkmark | |
| HS | Science in Personal & Social Perspectives | Environmental Quality | 1. | Air pollution | 0:02:59 | \checkmark | |
| HS | Science in Personal & Social Perspectives | Environmental Quality | 2. | Global warming | 0:02:25 | | |
| HS | Science in Personal & Social Perspectives | Environmental Quality | 3. | Ozone layer | 0:03:37 | | \checkmark |
| HS | Science in Personal & Social Perspectives | Environmental Quality | 1. | Air pollution | 0:02:59 | \checkmark | |
| HS | Science in Personal & Social Perspectives | Environmental Quality | 2. | Water pollution and its effect (Eutrophication) | 0:03:13 | | |
| HS | Add-On Categories | Plant Kingdom | 1. | The plant | 0:02:38 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 2. | Herbs, Shrubs and Trees | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 3. | Structure of the leaf | 0:04:53 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 4. | Leaf of maize | 0:03:16 | | |
| HS | Add-On Categories | Plant Kingdom | 5. | Insectivory | 0:03:57 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 6. | Leaf | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 7. | Anatomy of Root | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 8. | Internal structure of dicot root | 0:03:11 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 9. | Monocot root anatomy | 0:03:06 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 10. | Flower | 0:02:57 | \checkmark | |
| HS | Add-On Categories | Plant Kingdom | 11. | Parts of a flower | 0:01:55 | \checkmark | |
| HS | Add-On Categories | Plant Kingdom | 12. | Morphology of flower | 0:04:08 | \checkmark | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 13. | Typical Flower | 0:04:01 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 14. | Types of flowers | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 15. | Floral arrangement | 0:04:55 | | \checkmark |
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| | | | | 1,102 | 916 | 433 | 193 |
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| PKG | Category | Sub Category | Topic | Торіс | Video Duration | Sim | Int |
| HS | Add-On Categories | Plant Kingdom | 16. | Position of the ovary | 0:03:16 | V | |
| HS | Add-On Categories | Plant Kingdom | 17. | Inflorescence-II | 0:03:18 | | |
| HS | Add-On Categories | Plant Kingdom | 18. | Inflorescence-I | 0:04:17 | | |
| HS | Add-On Categories | Plant Kingdom | 19. | Gynoecium: apocarpous and syncarpous | 0:00:59 | \checkmark | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 20. | Fabaceae | 0:02:41 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 21. | Solanaceae | 0:02:52 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 22. | Liliaceae | 0:02:22 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 23. | Malvaceae | 0:02:57 | \checkmark | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 24. | Asteraceae | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 25. | Brassicaceae (Mustard plant) | 0:03:35 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 26. | Parts of dicot embryo | | \checkmark | |
| HS | Add-On Categories | Plant Kingdom | 27. | Seed germination | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 28. | Fruits | 0:04:22 | | |
| HS | Add-On Categories | Plant Kingdom | 29. | Conditions required for seed germination | 0:01:54 | | |
| HS | Add-On Categories | Plant Kingdom | 30. | Secondary cell wall | 0:02:00 | | |
| HS | Add-On Categories | Plant Kingdom | 31. | Physiology of photoperiodism | 0:02:56 | | |
| HS | Add-On Categories | Plant Kingdom | 32. | Photosynthesis - Trapping light energy | 0:02:22 | | |
| HS | Add-On Categories | Plant Kingdom | 33. | Water potential | 0:02:47 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 34. | Transpiration | 0:02:29 | \checkmark | |
| HS | Add-On Categories | Plant Kingdom | 35. | Pollen development | 0:03:27 | | |
| HS | Add-On Categories | Plant Kingdom | 36. | Development of female gametophyte | 0:02:22 | | |
| HS | Add-On Categories | Plant Kingdom | 37. | Mangrove | | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 38. | Support in aquatic plants | 0:01:18 | | \checkmark |
| HS | Add-On Categories | Plant Kingdom | 39. | Respiration in plants | 0:01:42 | | |
| HS | Add-On Categories | Plant Kingdom | 40. | Experiment: Heat liberation during respiration | 0:02:09 | | |
| HS | Add-On Categories | Plant Kingdom | 41. | Support system in Aquatic and Terrestrial plants | 0:02:02 | | \checkmark |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 1. | Chloroplast | | | |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 2. | Floral Arrangement: Pea | | | \checkmark |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 3. | Anatomy of Dicot Stem | | | \checkmark |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 4. | Identification of frog eggs | | | |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 5. | Respiration in animals (Hydra and Grasshopper) | 0:05:39 | | |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 6. | Excretory system (Cockroach) | 0:02:11 | | \checkmark |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 7. | Digestive system of cockroach | 0:02:39 | | $\sqrt{}$ |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 8. | Cockroach | 0:02:47 | | $\sqrt{}$ |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 9. | Reproduction in fungi | | | $\sqrt{}$ |
| HS | Add-On Categories | Botany, Zoology and Taxonomy | 10. | Parasitic nutrition in fungus | 0:03:16 | | |
| HS | Add-On Categories | Human Body | 1. | Sternum and ribs | 0:01:34 | $\sqrt{}$ | $\sqrt{}$ |
| HS | Add-On Categories | Human Body | 2. | Adrenal gland | 0:03:19 | \checkmark | |
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| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
|-----|-------------------|------------------------|------------|--|-------------------|--------------|--------------|
| HS | Add-On Categories | Human Body | 3. | Thyroid gland | 0:03:56 | \checkmark | |
| HS | Add-On Categories | Human Body | 4. | Nephron (Structure and functions) | 0:02:43 | \checkmark | |
| HS | Add-On Categories | Human Body | 5. | Sphygmomanometer | | | \checkmark |
| HS | Add-On Categories | Human Body | 6. | Role of Insulin in Cell Metabolism | 0:02:14 | | |
| HS | Add-On Categories | Human Body | 7. | Endoskeleton | | | \checkmark |
| HS | Add-On Categories | Human Body | 8. | Anatomy of the bone | 0:02:33 | \checkmark | \checkmark |
| HS | Add-On Categories | Human Body | 9. | Axial skeleton (Rib cage) | 0:02:39 | \checkmark | \checkmark |
| HS | Add-On Categories | Human Body | 10. | Ultrastructure of skeletal muscles | 0:03:18 | | \checkmark |
| HS | Add-On Categories | Human Body | 11. | Mechanism of muscle fibre contraction | 0:03:33 | | \checkmark |
| HS | Add-On Categories | Human Body | 12. | Ultrastructure of Kidney | 0:02:37 | \checkmark | |
| HS | Add-On Categories | Human Body | 13. | Filtration rate (Kidney) | 0:04:16 | | |
| HS | Add-On Categories | Human Body | 14. | Urine formation | 0:06:13 | \checkmark | |
| HS | Add-On Categories | Human Body | 15. | Respiratory System (Larynx) | 0:06:09 | | \checkmark |
| HS | Add-On Categories | Human Body | 16. | Neuroglial cell (Oligodendrocyte) | | | \checkmark |
| HS | Add-On Categories | Human Body | 17. | Eye (Anatomy and physiology) | 0:05:13 | \checkmark | |
| HS | Add-On Categories | Human Body | 18. | Placenta and Foetal haemoglobin | 0:04:09 | | |
| HS | Add-On Categories | Human Body | 19. | Monoclonal Antibodies | 0:03:37 | | |
| HS | Add-On Categories | Human Body | 20. | Structure of antibody | 0:03:02 | \checkmark | $\sqrt{}$ |
| HS | Add-On Categories | Human Body | 21. | Effect of Antibiotics | 0:02:05 | | |
| HS | Add-On Categories | Human Body | 22. | Caffiene addiction and effect | | | $\sqrt{}$ |
| HS | Add-On Categories | Human Body | 23. | Components of allergic reaction | | | $\sqrt{}$ |
| HS | Add-On Categories | Human Body | 24. | ECG and EEG | 0:04:03 | | |
| HS | Add-On Categories | Biotechnology | 1. | PCR | | \checkmark | |
| HS | Add-On Categories | Biotechnology | 2. | Application of genetic engineering | 0:03:18 | | |
| HS | Add-On Categories | Biotechnology | 3. | Gene amplification using PCR | 0:02:24 | | |
| HS | Add-On Categories | Biotechnology | 4. | Application of Antisense Technology | 0:04:39 | | |
| HS | Add-On Categories | Biotechnology | 5. | Somatic hybridization | 0:02:47 | | |
| HS | Add-On Categories | Biotechnology | 6. | Role of Virus in Biotechnology | 0:05:25 | | |
| HS | Add-On Categories | Biotechnology | 7. | Tissue culture | 0:03:25 | | V |
| HS | Add-On Categories | Biotechnology | 8. | Industrial Production of enzymes | 0:04:09 | | $\sqrt{}$ |
| HS | Add-On Categories | Biotechnology | 9. | In vitro fertilization | 0:04:34 | | |
| HS | Add-On Categories | Biotechnology | 10. | Hydroponics | 0:02:07 | | |
| HS | Add-On Categories | Coordination Chemistry | 1. | Coordination Number and Geometry of Complexes | 0:02:42 | | $\sqrt{}$ |
| HS | Add-On Categories | Coordination Chemistry | 2. | Relation Between Geometry and Magnetic Properties of Transition Metal Comple | 0:03:30 | | |
| HS | Add-On Categories | Coordination Chemistry | 3. | Introduction to Coordination Compounds | 0:04:32 | | |
| HS | Add-On Categories | Coordination Chemistry | 4. | Geometry of K [Fe(CN)] Based on its Magnetic Property | 0:03:02 | | |
| HS | Add-On Categories | Coordination Chemistry | 5. | Classification of Ligands | 0:06:02 | | \checkmark |
| HS | Add-On Categories | Coordination Chemistry | 6. | Geometry of [Fe(H O)] ³ | | \checkmark | |

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| PKG Category Sub Topic Topic Topic Topic Topic Wideo Duration Signature of Coordination Chemistry Topic Signature of Coordination Chemistry Topic Topi | |
|--|-----------|
| HS Add-On Categories Coordination Chemistry 7. Geometry of [Co(NH)] ² HS Add-On Categories Coordination Chemistry 8. Geometry of [K Fe(CN)] HS Add-On Categories Coordination Chemistry 9. IUPAC Nomenclature of Coordination Compounds HS Add-On Categories Electrochemistry 1. Faraday's First Law of Electrolysis 0:07:16 HS Add-On Categories Electrochemistry 2. Faraday's Second Law of Electrolysis 0:02:42 HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | n Int |
| HS Add-On Categories Coordination Chemistry 8. Geometry of [K Fe(CN)] HS Add-On Categories Coordination Chemistry 9. IUPAC Nomenclature of Coordination Compounds HS Add-On Categories Electrochemistry 1. Faraday's First Law of Electrolysis 0:07:16 HS Add-On Categories Electrochemistry 2. Faraday's Second Law of Electrolysis 0:02:42 HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | |
| HS Add-On Categories Coordination Chemistry 9. IUPAC Nomenclature of Coordination Compounds HS Add-On Categories Electrochemistry 1. Faraday's First Law of Electrolysis 0:07:16 HS Add-On Categories Electrochemistry 2. Faraday's Second Law of Electrolysis 0:02:42 HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | |
| HS Add-On Categories Electrochemistry 1. Faraday's First Law of Electrolysis 0:07:16 HS Add-On Categories Electrochemistry 2. Faraday's Second Law of Electrolysis 0:02:42 HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | |
| HS Add-On Categories Electrochemistry 2. Faraday's Second Law of Electrolysis 0:02:42 HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | |
| HS Add-On Categories Electrochemistry 3. Standard Hydrogen Electrode 0:01:47 | |
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| HS Add-On Categories Electrochemistry 4 Use of Standard Hydrogen Electrode as an Anode 0:06:11 | |
| 1. Obe of Daniella High open Electron as an inflore 0.00.11 | |
| HS Add-On Categories Electrochemistry 5. Use of Standard Hydrogen Electrode as a Cathode 0:04:58 | |
| HS Add-On Categories Electrochemistry 6. Electrode Potential and Standard Electrode Potential 0:04:41 | |
| HS Add-On Categories Electrochemistry 7. Daniell Cell | |
| HS Add-On Categories Electrochemistry 8. Calculating emf of Concentration Cell | |
| HS Add-On Categories Colligative Properties 1. Osmosis and Osmotic Pressure 0:04:35 | |
| HS Add-On Categories Colligative Properties 2. Factors Affecting Vapour Pressure of a Solvent 0:02:56 | |
| HS Add-On Categories Colligative Properties 3. Vapour Pressure of a Solvent 0:01:54 | |
| HS Add-On Categories Colligative Properties 4. The Degree of Disociation 0:02:51 | |
| HS Add-On Categories Colligative Properties 5. Depression in Freezing Point | |
| HS Add-On Categories Colligative Properties 6. Raoult's Law | |
| HS Add-On Categories Colligative Properties 7. Lowering in Vapour Pressure | |
| HS Add-On Categories Colligative Properties 8. Elevation in Boiling Point | |
| HS Add-On Categories Colligative Properties 9. Abnormal Molar Masses 0:06:31 | |
| HS Add-On Categories Equilibrium 1. Equilibrium Processes (Physical Equilibrium) 0:05:14 | |
| HS Add-On Categories Equilibrium 2. Dynamic Nature of Equilibrium 0:04:08 | |
| HS Add-On Categories Equilibrium 3. Law of Mass Action | |
| HS Add-On Categories Equilibrium 4. Percentage Ionization of Weak Acids | |
| HS Add-On Categories Equilibrium 5. Le-Chatelier's Principle - Effect of Pressure | |
| HS Add-On Categories Equilibrium 6. Solubility Product 0:04:00 | |
| HS Add-On Categories Equilibrium 7. Reversible Decomposition of Calcium Carbonate 0:03:53 | |
| HS Add-On Categories Surface Chemistry 1. Adsorption and the Nature of Adsorbent 0:02:38 | |
| HS Add-On Categories Surface Chemistry 2. Adsorption 0:07:26 | |
| HS Add-On Categories Applied Chemistry 1. The Chemistry of Fire 0:05:23 | |
| HS Add-On Categories Applied Chemistry 2. Coriolis Effect and the Trade Winds 0:04:52 | |
| HS Add-On Categories Applied Chemistry 3. Fire Extinguisher | |
| HS Add-On Categories Applied Chemistry 4. EDTA Titration Method 0:03:17 | |
| HS Add-On Categories Heat and Thermodynamics 1. Internal Combustion Engine 0:06:07 | $\sqrt{}$ |
| HS Add-On Categories Heat and Thermodynamics 2. Balance Wheel 0:02:20 | |
| HS Add-On Categories Heat and Thermodynamics 3. Thermodynamic Systems and Zeroth Law of Thermodynamics 0:06:15 | |
| HS Add-On Categories Heat and Thermodynamics 4. The First Law of Thermodynamics 0:06:19 | |
| HS Add-On Categories Heat and Thermodynamics 5. The Second Law of Thermodynamics 0:07:54 | |

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| PKG | Category | Sub Category | Topic # | Торіс | Video Duration | Sim | Int |
|-----|-------------------|-------------------------------|------------|---|-------------------|--------------|--------------|
| HS | Add-On Categories | Heat and Thermodynamics | 6. | Boyle's Law (Part-1) | 0:02:48 | V | |
| HS | Add-On Categories | Heat and Thermodynamics | 7. | Boyle's Law (Part-2) | 0:02:41 | $\sqrt{}$ | |
| HS | Add-On Categories | Heat and Thermodynamics | 8. | Blackbody Radiation: Stefan-Boltzmann Law | 0:04:54 | | |
| HS | Add-On Categories | Heat and Thermodynamics | 9. | Volume Expansion of Solids | | \checkmark | |
| HS | Add-On Categories | Heat and Thermodynamics | 10. | Charles' Law | | \checkmark | |
| HS | Add-On Categories | Heat and Thermodynamics | 11. | Blackbody Radiation and Planck's Law | | $\sqrt{}$ | |
| HS | Add-On Categories | Electromagnetism | 1. | Capacitor | 0:08:35 | | \checkmark |
| HS | Add-On Categories | Electromagnetism | 2. | Van de Graaff Generator | 0:04:26 | \checkmark | \checkmark |
| HS | Add-On Categories | Electromagnetism | 3. | Gauss's Theorem (Part-1) | 0:04:10 | | |
| HS | Add-On Categories | Electromagnetism | 4. | Application of Gauss's Theorem (Part-1) | 0:03:53 | | |
| HS | Add-On Categories | Electromagnetism | 5. | Gauss's Theorem (Part-2) | 0:03:59 | | |
| HS | Add-On Categories | Electromagnetism | 6. | Dielectrics in a Capacitor | 0:05:51 | | |
| HS | Add-On Categories | Electromagnetism | 7. | Applications of Gauss's Theorem (Part-2) | | | |
| HS | Add-On Categories | Electromagnetism | 8. | Dielectrics: Polar and Non-polar | 0:05:28 | | |
| HS | Add-On Categories | Electromagnetism | 9. | Capacitance of a Parallel Plate Capacitor | | \checkmark | |
| HS | Add-On Categories | Electromagnetism | 10. | Magnetic Declination | 0:01:20 | | |
| HS | Add-On Categories | Electromagnetism | 11. | Types of Magnetism | 0:02:53 | | |
| HS | Add-On Categories | Electromagnetism | 12. | Domain Theory of Magnetism | | \checkmark | |
| HS | Add-On Categories | Electricity and Magnetism | 1. | Ohm's Law | 0:07:26 | \checkmark | |
| HS | Add-On Categories | Electricity and Magnetism | 2. | Variable Resistors (Potentiometer & Rheostat) | 0:06:30 | | \checkmark |
| HS | Add-On Categories | Electricity and Magnetism | 3. | Series Connection of Resistors | 0:01:38 | \checkmark | |
| HS | Add-On Categories | Electricity and Magnetism | 4. | Metre Bridge | | \checkmark | |
| HS | Add-On Categories | Electricity and Magnetism | 5. | Parallel Combination of Resistors | | \checkmark | |
| HS | Add-On Categories | Electricity and Magnetism | 6. | Dependance of Current on Potential Difference | | \checkmark | |
| HS | Add-On Categories | Electronics and Communication | 1. | Logic Gates | 0:06:52 | | |
| HS | Add-On Categories | Electronics and Communication | 2. | Amplitude Modulation | | \checkmark | |
| HS | Add-On Categories | Electronics and Communication | 3. | Boolean Expression and Truth Table | | \checkmark | |
| HS | Add-On Categories | Electronics and Communication | 4. | NAND Gate | | \checkmark | |
| HS | Add-On Categories | Electronics and Communication | 5. | NOR gate | | \checkmark | |
| HS | Add-On Categories | Electronics and Communication | 6. | Frequency Modulation | | \checkmark | |
| HS | Add-On Categories | Sound and Light | 1. | Infrasonics and Ultrasonics | 0:05:13 | | |
| HS | Add-On Categories | Sound and Light | 2. | Reflection of Sound | | \checkmark | |
| HS | Add-On Categories | Sound and Light | 3. | Focal Length of a Concave Mirror | | $\sqrt{}$ | |
| HS | Add-On Categories | Sound and Light | 4. | Focal Length of Convex Lens | | $\sqrt{}$ | |
| HS | Add-On Categories | Light and Optics | 1. | Focal Length of Convex Lens using Parallax Removal Method | | $\sqrt{}$ | |
| HS | Add-On Categories | Light and Optics | 2. | Focal Length of a Concave Lens using a Convex Lens | | $\sqrt{}$ | |
| HS | Add-On Categories | Light and Optics | 3. | Working of a Prism Spectrometer | 0:07:06 | | $\sqrt{}$ |
| HS | Add-On Categories | Light and Optics | 4. | Prism Spectrometer | 0:03:55 | | $\sqrt{}$ |

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| PKG | Category | Sub Category | Topic # | | Video Duration | Sim | Int |
| HS | Add-On Categories | Light and Optics | 5. | Projector | 0:06:37 | | |
| HS | Add-On Categories | Light and Optics | 6. | Fresnel lens and Overhead Projector | 0:02:47 | | |
| HS | Add-On Categories | Light and Optics | 7. | Young's Double-Slit Experiment (Introduction) | 0:05:01 | | |
| HS | Add-On Categories | Light and Optics | 8. | Young's Double-Slit Experiment (Intensity of Fringes) | 0:07:08 | | |
| HS | Add-On Categories | Light and Optics | 9. | Wavefronts and Huygens' Principle | 0:06:59 | | |
| HS | Add-On Categories | Light and Optics | 10. | #VALUE! | 0:07:29 | | |
| HS | Add-On Categories | Light and Optics | 11. | Polarization of Light and Malus's Law | | \checkmark | |
| HS | Add-On Categories | Light and Optics | 12. | Linear Polarization of Light | | \checkmark | |
| HS | Add-On Categories | Mechanics | 1. | Elastic Behaviour of Solids | 0:07:26 | | |
| HS | Add-On Categories | Mechanics | 2. | Stress and strain | 0:07:55 | | |
| HS | Add-On Categories | Mechanics | 3. | Stress - Strain curve | 0:07:58 | | |
| HS | Add-On Categories | Mechanics | 4. | Hooke's Law | | \checkmark | |
| HS | Add-On Categories | Mechanics | 5. | Elastic Modulus | 0:07:29 | | |
| HS | Add-On Categories | Mechanics | 6. | Applications of Bernoulli's Principle | 0:04:38 | | |
| HS | Add-On Categories | Mechanics | 7. | Bernoulli's Principle | 0:06:24 | | |
| HS | Add-On Categories | Mechanics | 8. | Fluids in Motion: Equation of Continuity | 0:09:34 | | |
| HS | Add-On Categories | Mechanics | 9. | Capillarity | 0:08:49 | | |
| HS | Add-On Categories | Mechanics | 10. | Equation of continuity (Applications) | 0:03:16 | | |
| HS | Add-On Categories | Mechanics | 11. | Rolling Friction and Sliding Friction | 0:04:10 | | |
| HS | Add-On Categories | Mechanics | 12. | Couple | 0:07:21 | | |
| HS | Add-On Categories | Mechanics | 13. | Moment of a Force and the Law of Moments | 0:07:36 | | |
| HS | Add-On Categories | Mechanics | 14. | Conservation of Linear Momentum | 0:07:28 | | |
| HS | Add-On Categories | Mechanics | 15. | Motion of a Block on an Inclined Plane | | \checkmark | |
| HS | Add-On Categories | Mechanics | 16. | Equations of Motion (Using Graph) | 0:09:47 | | |
| HS | Add-On Categories | Mechanics | 17. | Collisions: Elastic and Inelastic | 0:06:29 | \checkmark | |
| HS | Add-On Categories | Mechanics | 18. | Impulse and Crumple Zone | 0:06:28 | | |
| HS | Add-On Categories | Mechanics | 19. | Elastic Collision | | \checkmark | |
| HS | Add-On Categories | Mechanics | 20. | Inelastic collision | | $\sqrt{}$ | |
| HS | Add-On Categories | Mechanics | 21. | Centre of Mass of a System of Particles | | $\sqrt{}$ | |
| HS | Add-On Categories | Mechanics | 22. | Newton's Cradle | | | |
| HS | Add-On Categories | Mechanics | 23. | Conservation of Angular Momentum | 0:05:39 | | |
| HS | Add-On Categories | Mechanics | 24. | Moment of Inertia (Mathematical expressions) | 0:05:14 | \checkmark | |
| HS | Add-On Categories | Mechanics | 25. | Conservation of Angular Momentum (Examples) | 0:05:57 | | |
| HS | Add-On Categories | Mechanics | 26. | Moment of Inertia | 0:06:40 | | |
| HS | Add-On Categories | Mechanics | 27. | Angular Momentum | 0:07:25 | | |
| HS | Add-On Categories | Mechanics | 28. | Angular Momentum of a System of Particles | | $\sqrt{}$ | |
| HS | Add-On Categories | Mechanics | 29. | Introduction to Vectors | | V | |
| HS | Add-On Categories | Mechanics | 30. | Components of Vectors | | $\sqrt{}$ | |
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| PKG | Category | Sub Category | Topic | Торіс | Video Duration | Sim | Int |
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| HS | Add-On Categories | Mechanics | 31. | Determining Density of a Solid | | | |
| HS | Add-On Categories | Mechanics | 32. | Work Done by a Constant Force | 0:06:45 | | |
| HS | Add-On Categories | Mechanics | 33. | Work-Energy Theorem | 0:05:53 | | |
| HS | Add-On Categories | Oscillations and Waves | 1. | Damped Oscillations | 0:07:53 | | |
| HS | Add-On Categories | Oscillations and Waves | 2. | Geometrical Representation of Simple Harmonic Motion | | \checkmark | |
| HS | Add-On Categories | Oscillations and Waves | 3. | Damped Oscillations of a Pendulum | | \checkmark | |
| HS | Add-On Categories | Oscillations and Waves | 4. | Force Constant of a Helical Spring | | \checkmark | |
| HS | Add-On Categories | Oscillations and Waves | 5. | Energy of a Simple Harmonic Oscillator | | \checkmark | |
| HS | Add-On Categories | Oscillations and Waves | 6. | Beats | 0:06:43 | \checkmark | |

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