

Science Grade 8 – MicroLife/Genetics

Student Learning Expectations



The student should be able to:

1. Explain that all living organisms are composed of one or more cells that carry on life functions.
2. Compare and contrast the structure and function of bacteria, protists, and viruses.
3. Describe how a disease spreads through a population.
4. Identify trade-offs of personal and social decisions as related to infectious diseases.
5. Model how genetic information is passed from one generation to another.
6. Identify various factors that influence genetic traits.



7. Design and conduct a scientific investigation.
8. Use evidence to develop descriptions, explanations, and predictions.
9. Use mathematics in all aspects of scientific inquiry.
10. Use content literacy skills to strengthen writing, communication, and problem solving skills.