

BLOOM'S TAXONOMY FOR 3rd GRADE SCIENCE

A. Knowledge and Comprehension Activities Do A1 and nine more. 10x4 points = 40	A1. Define the terms "earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations." A2. Tell a friend how bees pollinate flowers. _____ (friend's initials) A3. Watch any tv show or DVD/video about earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations and take one page of notes. A4. Identify at least ten bones in the human body. A5. Browse through a book about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations. Copy 16 vocabulary words related to science concepts for the topic you chose to explore. A6. Talk to a friend for 3 minutes about what you think you know about the science of earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations (friend's initials) A7. Make 16 flashcards for the vocabulary words found in activity A5. A8. List the basic components of sand, clay, and humus. A9. Explain why the moon has several phases to a friend. A10. Memorize the names of the planets in the solar system in order from distance from the sun. A11. Count the number of different trees and plants you can find around your house or neighborhood. A12. Write down five science facts you find interesting about one of the following topics: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations and explain why. A13. Describe and explain the parts of a plant. A14. Name at least five types of plants, at least four phases of the moon, three types of soil, and two different muscles in your body. A15. After completing A1 through A14, make a list of ten questions you have about any of the science concepts you chose to explore. A16. "Let's Make a Deal". See teacher for guidance.
B. Application Activities Do B1 plus three more. 4 x 5 points = 20	B1. Construct an "ABC" list for either earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations. An "ABC" list is when you write one sentence about your topic using each letter of the alphabet. B2. Use information you have learned about earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations to make a crossword puzzle containing at least 10 science terms. Have a parent or friend do your puzzle. B3. Draw and label one of the following: a human skeleton, the solar system, parts of a plant, or the effect of a glacier on the Earth's surface. B4. Find a webpage to answer three of your questions in A15. B5. Find an article about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations. Write a 100 word summary. B6. Find or take pictures of different types of soil or plants around your house or neighborhood. Describe the connection of the pictures to what you are learning in science class. B7. Make a 3-dimensional model of the human skeleton, solar system, parts of a plant or a landscape affected by erosion. Label each using science terms. B8. "Let's Make a Deal". See teacher for guidance.

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C. Analysis Activities Do C1 plus 2 more, 3x 5 points = 15 C1. Create a concept map for either earth, moon, sun, skeletal and muscle systems; soil; plant growth and adaptations using a minimum of 16 vocabulary words. (see activities A5 and A7) C2. Describe how astronauts living on the moon can grow their own food. C3. Compare and contrast bones and muscles in your favorite animal's body. C4. Analyze characteristics of different soil types. C5. Make a collage of pictures to show your understanding of science ideas related to one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations Explain how each picture is related to the science concept. C6. "Let's Make a Deal". See teacher for guidance.	D. Evaluation Activities Do D1 plus 2 more 3 x 5 points = 15 D1. Maintain a Learning Log about the activities you have selected to do for this assignment. Include why you selected that activity and share at least one thing you learned by doing that activity. D2. Recommend a "Top Ten List" of key concepts and ideas about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations D3. Select 5 categories to construct a Jeopardy Game about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations D4. Set up an experiment to test which type of soil – clay, sand, or humus can hold the most water. Do the experiment and report your findings. D5. Browse a website about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations. Make a recommendation as to whether the website would help your classmates study for a test on the science concepts. D6. "Let's Make a Deal". See teacher for guidance.	E. Create Activities Do one, 1x 10 points = 10 E1. Build a simple robotic arm that works like a human arm using common materials such as paper, string, tape, and rubber bands. E2. Compose five different forms of poems about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations E3. Write a song (rap, country-western, nursery song, or other) about one of the following: earth, moon, sun; skeletal and muscle systems; soil; plant growth and adaptations. Perform the song for family or friends. E4. It's 1000 years in the future and we have colonies on Mars that people can easily visit. Research what living on Mars may be like, and then design an advertisement to persuade people to visit Mars for a vacation. E5. "Let's Make a Deal". See teacher for guidance.
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