

Lesson 1: Checkup Time – Give Your Monarch a Physical!
Georgia Life Science (Grade 7) Performance Standards Correlations

Standards Addressed:

S7CS2. Students will use standard safety practices for all classroom laboratory and field investigations.

- a. Follow correct procedures for use of scientific apparatus.
- b. Demonstrate appropriate techniques in all laboratory situations.

S7CS4. Students will use tools and instruments for observing, measuring, and manipulating equipment and materials in scientific activities.

- b. Use appropriate tools for measuring objects and/or substances.
- c. Learn and use on a regular basis standard safety practices for scientific investigations.

S7CS6. Students will communicate scientific ideas and activities clearly.

- c. Organize scientific information using appropriate simple tables, charts, and graphs, and identify relationships they reveal.

Related Standards:

S7CS1. Students will explore of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

- a. Understand the importance of—and keep—honest, clear, and accurate records in science.

S7CS8. Students will investigate the characteristics of scientific knowledge and how that knowledge is achieved.

S7CS9. Students will investigate the features of the process of scientific inquiry.

Students will apply the following to inquiry learning practices:

- a. Investigations are conducted for different reasons, which include exploring new phenomena, confirming previous results, testing how well a theory predicts, and comparing competing theories.
- b. Scientific investigations usually involve collecting evidence, reasoning, devising hypotheses, and formulating explanations to make sense of collected evidence.
- d. Accurate record keeping, data sharing, and replication of results are essential for maintaining an investigator's credibility with other scientists and society.
- g. The ethics of science require that special care must be taken and used for human subjects and animals in scientific research. Scientists must adhere to the appropriate rules and guidelines when conducting research.

S7L4. Students will examine the dependence of organisms on one another and their environments.

- c. Recognize that changes in environmental conditions can affect the survival of both individuals and entire species.
- d. Categorize relationships between organisms that are competitive or mutually beneficial.