HENRY COUNTY SCHOOLS

Better Together.





1ST GRADE

| SCIENCE |

HENRY

Teaching & Learning Standards

Teaching & Learning Standards

Science

1st Grade

Collaboration, Communication, Creativity, and Critical Thinking skills are embedded within the language of the Henry Teaching and Learning Standards

HCS Graduate Learner Outcome	***As a Henry County graduate, I will understand and analyze the role of water in Earth processes, the dynamics and composition of the atmosphere and global processes influencing weather and climate.***

GA Standard Code

S1E1 **Obtain, evaluate, and communicate weather data to identify weather patterns.**

- S1E1a Represent data in tables and/or graphs to identify and describe different types of weather and the characteristics of each type.
- S1E1b Ask questions to identify forms of precipitation such as rain, snow, sleet, and hailstones as either solid (ice) or liquid (water).
- S1E1c Plan and carry out investigations on current weather conditions by observing, measuring with simple weather instruments (thermometer, wind vane, rain gauge), and recording weather data (temperature, precipitation, sky conditions, and weather events) in a periodic journal, on a calendar, and graphically.
- S1E1d Analyze data to identify seasonal patterns of change.

HCS Graduate Learner Outcome	***As a Henry County graduate, I will apply scientific and engineering practices to understand and analyze molecular, structural, and chemical biology as they relate to biological systems and each level of organization from cells to organ systems.***

GA Standard Code

S1L1 **Obtain, evaluate, and communicate information about the basic needs of plants and animals.**

- S1L1a Develop models to identify the parts of a plant—root, stem, leaf, and flower.
- S1L1b Ask questions to compare and contrast the basic needs of plants (air, water, light, and nutrients) and animals (air, water, food, and shelter).
- S1L1c Design a solution to ensure that a plant or animal has all of its needs met.

HCS Graduate Learner Outcome	***As a Henry County graduate, I will understand and analyze energy and the characteristics of waves as demonstrated through the integration of scientific practices.***

GA Standard Code

S1P1 **Obtain, evaluate, and communicate information to investigate light and sound.**

- S1P1a Use observations to construct an explanation of how light is required to make objects visible.
- S1P1b Ask questions to identify and compare sources of light.

S1P1c Plan and carry out an investigation of shadows by placing objects at various points from a source of light.

S1P1d Construct an explanation supported by evidence that vibrating materials can make sound and that sound can make materials vibrate.

S1P1e Design a signal that can serve as an emergency alert using light and/or sound to communicate over a distance.

HCS Graduate Learner Outcome	***As a Henry County graduate, I will understand and analyze forces, mass, motion, and interactions through scientific processes and practices.***

GA Standard Code

S1P2 Obtain, evaluate, and communicate information to demonstrate the effects of magnets on other magnets and other objects.

S1P2a Construct an explanation of how magnets are used in everyday life.

S1P2b Plan and carry out an investigation to demonstrate how magnets attract and repel each other and the effect of magnets on common objects.