West Virginia Science

Grade 1

Adopted 2022

Physical Science DOMAIN	**Waves: Light and Sound** 1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. S.1.1 2. Make observations to construct an evidence-based account that objects can be seen only when illuminated. S.1.2 3. Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light. S.1.3 4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. S.1.4
Life Science DOMAIN	**Structure, Function, and Information Processing** 5. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. S.1.5 6. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. S.1.6 7. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. S.1.7
Earth and Space Science DOMAIN	**Space Systems: Patterns and Cycles** 8. Use observations of the sun, moon, and stars to describe patterns that can be predicted. S.1.8 9. Make observations at different times of year to relate the amount of daylight to the time of year. S.1.9

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Engineering, Technology, and Applications of Science DOMAIN

Engineering Design

0. 0Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. EDS.1.0
1. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. EDS.1.1
2. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. EDS.1.2