



1 st GRADE SCIENCE	
Cardinal Newman Standards: Catholic Identity Integration	
<ul style="list-style-type: none"> • CS.S.K6.G3: Value the human body as the temple of the Holy Spirit. (NGSS.1.LS1.1; LS1.2; LS3.1) • CS.S.K6.IS6: Describe God’s relationship with man and nature. (NGSS.1.PS4.1; PS4.2; PS4.4; LS1.1; LS1.2; LS3.1; ESS1.1; ESS1.2) • CS.S.K6.DS3: Accept the premise that nature should not be manipulated simply at man’s will or only viewed as a thing to be used, but that man must cooperate with God’s plan for himself and for nature. (NGSS.1.PS4.3; PS4.4; LS1.1; ETS1.1) 	
Priority Skills	Supporting Skills
<ul style="list-style-type: none"> • Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. • Make observations to construct an evidence-based account that objects can be seen only when illuminated. • 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. • Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents; and determine patterns in behavior of parents and offspring that help offspring survive. • Use observations of the sun, moon, and stars to describe patterns that can be predicted. • Ask 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. 	<ul style="list-style-type: none"> • Recognize that light interacts with different objects and materials in different ways. • Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance. • Understand that daylight differs at different times of the year in different places on Earth.



Essential Questions

- Why is light essential for life?
- What are waves, and how do they help us use our senses?
- How do animals and plants survive and grow?
- How are parents and their children similar and different?
- How can we observe and learn about God's creations in other places in the universe?

Vital Vocabulary

- Beam, Behaviors, Communication, Evidence, Galaxy, Illuminate, Observation, Offspring, Pattern, Predict, Solar System, Sound, Survival, Traits, Universe, Vibration, Wave

Additional Resources: [Cardinal Newman Science Resources, Appendix E](#)