

1st Grade ELA/Science Integration

ELA Lessons	OpenSciEd Lesson	Connection	Connection (1 weak to 3 strong)
U3 L1-5 – Seasons & Daylight	1.3 L8-10 – Daylight Length & Seasonal Patterns	Connect seasonal changes to patterns in how long daytime and nighttime last throughout the year.	★★★
U3 L6-10 – Observing Seasonal Changes	1.3 L8-10 – Daytime, Nighttime & Seasons	Use seasonal patterns in daylight and sunrise/sunset to explain changes students notice across seasons.	★★★
U3 L11-15 – Predicting Weather & Patterns	1.3 L1-5, L8-10 – Observing & Predicting Sky Patterns	Reinforce the idea that repeated observations reveal patterns that can be used to make predictions.	★★
U5 L1-5 – Sun & Planets	1.3 L1-5 – Sun Location & Sky Patterns	Directly connect observations of the Sun to predictable changes in its apparent location throughout the day.	★★★
U5 L6-10 – Moon & Night Sky	1.3 L6-7 – Moon, Daytime & Nighttime	Observe and compare patterns in the Moon's apparent location and evidence for daytime versus nighttime.	★★★
U5 L6-10 – Moon & Night Sky	1.3 L8-10 – Day/Night Length & Seasonal Patterns	Extend night-sky learning by examining how the amount of daylight changes across seasons.	★★
U5 L11-15 – Space & Astronauts	1.3 L1-7 – Sun, Moon & Sky Observations	Ground broader space topics in observable Sun and Moon patterns students can investigate from Earth.	★★
U6 L1-5 – Communication Technology Over Time	1.2 L1-6 – Sound & Communication Signals	Compare communication technologies with the science idea that people can use sound signals to share information.	★★★
U6 L6-10 – Ways People Communicate	1.2 L1-6 – Sound Signals, Vibrations & Receiving Sound	Explore sound as one of several ways people send and receive information.	★★★
U6 L11-15 – Communication & Innovation	1.2 L6-10 – Design a Sound-Signal Device	Connect communication inventions to engineering: students plan, build, test, and share a device for sending a message.	★★★
U7 L1-5 – Light Sources & Shadows	1.1 L1-6 – Light Sources, Materials & Seeing	Direct connection to light sources, brightness, shadows, and why light is necessary to see objects.	★★★
U7 L1-5 – Light Sources & Shadows	1.3 L1-5 – Sun Patterns	Connect the Sun as a natural light source to observations of its changing apparent position.	★★
U7 L6-10 – Why Light Is Important	1.1 L2-7 – Light Sources, Seeing & Reflection	Investigate how light enables vision and how reflective materials can redirect light into dark spaces.	★★★
U7 L11-15 – How Light Travels	1.1 L3-7 – Light Through Materials & Reflection	Directly investigate transparent, translucent, and opaque materials, shadows, and reflected light.	★★★
U10 L1-5 – Animal Features & Survival	1.4 L1-2 – Plant & Animal Parts	Compare observable animal body parts and consider how structures help living things live and grow.	★★★
U10 L6-10 – Animals Grow & Develop	1.4 L3 – Parents & Offspring	Direct connection to patterns showing that young animals resemble their parents but are not exactly alike.	★★★
U10 L11-15 – Animals & Their Environment	1.4 L4-10 – Needs, Behaviors & Survival	Explore how animal structures, behaviors, parents, and environments help animals meet their needs and survive.	★★★
U12 L1-5 – Plant Life Cycles & Growth	1.4 L1-3 – Plant Parts, Similarities & Young Plants	Connect plant structures and growth to observations of younger and mature plants.	★★★
U12 L6-10 – Seedlings & Plant Growth	1.4 L1-3 – Plants Grow & Share Common Parts	Compare young and mature plants and identify patterns in plant structures as they grow.	★★★
U12 L11-15 – Plant Parts, Pollen & Seeds	1.4 L1-6 – Plant Parts & How They Help Plants Live	Explore how roots, stems, leaves, flowers, and other plant structures help plants meet their needs.	★★★