

5th Grade ELA/Science Integration

ELA Lessons	OpenSciEd Lesson	Connection	Connection (1 weak to 3 strong)
U3 L1 Earth, Moon & Space Exploration	5.3 L5 Atmosphere, precipitation & rivers	Earth systems and physical processes.	★★
U3 L2–3 Mass, Gravity & Orbit	5.3 L4 Gravity & water flow	Gravity causes movement in different systems.	★★★
U3 L3–4 Orbit, motion & studying Earth/space	5.3 L4–5 Gravity, atmosphere & water	Forces and Earth-system processes.	★★
U4 L14–17 : Stars, Constellations & Traditional Explanations	5.4 L1–7 : Sun, Moon & Sky Patterns	Compare traditional stories about the sky with scientific observations and explanations of sky patterns.	★★★
U6 L1 Pikas & Mountain Ecosystems	5.1 L1–2 Nurse logs & ecosystem components	Organisms interacting within ecosystems.	★★★
U6 L1 Pikas & Mountain Ecosystems	5.3 L1–3 River ecosystem & dam impacts	Ecosystem conditions affect organisms.	★★★
U6 L2–3 Soil & Ecosystem Connections	5.1 L3–4 Plant growth, soil & plant needs	Soil and conditions that support plants.	★★★
U6 L2–3 Soil & Ecosystem Connections	5.1 L11–13 Termites, fungi & decomposers	Decomposition and cycling matter.	★★★
U6 L4–7 Grizzly Bears & Their Ecosystem	5.1 L8–10 Animals, food, matter & energy	Animals depend on food and habitat to survive.	★★★
U6 L4–7 Grizzly Bears & Their Ecosystem	5.1 L14–15 Ecosystem balance & food webs	Organisms depend on balanced ecosystems.	★★★
U6 L8–9 Pond Food Webs	5.1 L14–15 Food webs & ecosystem balance	Direct food-web and interdependence connection.	★★★
U6 L8–9 Pond Food Webs	5.3 L1–3 River ecosystem & dam impacts	Changes in aquatic systems affect organisms.	★★★
U6 L11–13 Farms, Plants & Conservation	5.1 L3–7 Plant growth, matter, light & needs	What plants need to grow and survive.	★★★
U6 L14–17 Community Gardens	5.1 L4–7 Plant needs & supportive environments	Environments can support plant growth.	★★★
U6 L14–17 Community Gardens	5.3 L1–3 Human changes to ecosystems	People can alter environments and ecosystems.	★★
U9 L1 States of Matter & Making Glass	5.1 L3–5 Mass, air, water & matter	Matter, mass and physical properties.	★★★
U9 L1 States of Matter & Making Glass	5.2 L1–2 Water samples & material properties	Matter can be identified by its properties.	★★★
U9 L1 States of Matter & Making Glass	5.2 L8–9 Boiling, heat & changing water	Heating causes changes in matter.	★★★
U9 L11 Scientists, Matter & Fog	5.2 L5–6 Unseen matter & particles	Matter can exist as tiny unseen particles.	★★★
U9 L11 Scientists, Matter & Fog	5.2 L8–9 Boiling, evaporation & condensation	Water changes form through heating and cooling.	★★★
U9 L11 Scientists, Matter & Fog	5.3 L5 Atmosphere & precipitation	5.3 L5 Atmosphere & precipitation	★★★
U9 L12–13 Rust & Chemical Reactions	5.2 L2–6 Materials, properties & particles	Properties and changes of materials.	★★
U9 L14–17 Cooking & Changes in Matter	5.2 L2–9 Properties, mixtures & changing matter	Everyday materials undergo physical changes.	★★