

FLORIDA PHYSICAL SCIENCE STANDARDS

Florida Standard	Primary Video Matches	Secondary / Possible Matches	Justification
SC.4.P.8.1–8.2 Physical properties of matter	Density Physical Properties of Matter	Heat Transfer Physical & Chemical Change Atoms & Periodic Table	Direct instruction on mass, volume, density, and observable properties.
SC.4.P.10.1 Energy makes things move	The Drone Dilemma How Planes Really Fly	Exploring Energy	Episodes show energy → motion (thrust, lift, kinetic energy).
SC.4.P.10.2 Light, heat, sound are forms of energy	Exploring Energy	Heat Transfer	Explicit listing of energy forms.
SC.4.P.10.3 Energy causes change	Heat Transfer Exploring Energy	Physical & Chemical Change	Thermal energy causes changes in matter.
SC.5.P.9.1 Physical vs. chemical change	Physical & Chemical Change	Heat Transfer Macromolecules	Demonstrates evidence of chemical reactions.
SC.5.P.10.1–10.4 Forms of energy	Exploring Energy	Electrical Encounter Heat Transfer The Drone Dilemma	Covers all major forms of energy.
SC.5.P.13.1–13.4 Forces & motion	The Drone Dilemma How Planes Really Fly Gravity vs. Drag	Gravity & Orbits Storm on Saturn	Thrust, drag, lift, gravity, unbalanced forces.
SC.7.N.1.1 Define problem, collect data, interpret results	Gravity vs. Drag	Scientific Method Rover in Trouble	Data-driven problem solving.
SC.7.P.10.1 Sun as major energy source	Exploring Energy	Hurricanes	Solar energy drives weather and systems.
SC.7.P.10.3 Electricity	Electrical Encounter	Exploring Energy	Circuits, conductors, insulators.
SC.7.P.11.1–11.2 Properties of matter, density	Density Physical Properties of Matter	Heat Transfer Atoms & Periodic Table	Mass/volume relationships.
SC.7.P.12.3 Motion of objects	The Drone Dilemma How Planes Really Fly Gravity vs. Drag	Gravity & Orbits	Forces change motion.
SC.8.P.8.5–8.9 Atomic structure & periodic table	Atoms & Periodic Table	Physical & Chemical Change Macromolecules	Protons, neutrons, electrons, periodic trends.
SC.8.P.9.2 Chemical reactions	Physical & Chemical Change	Carbon Cycle Macromolecules	Evidence of chemical reactions.