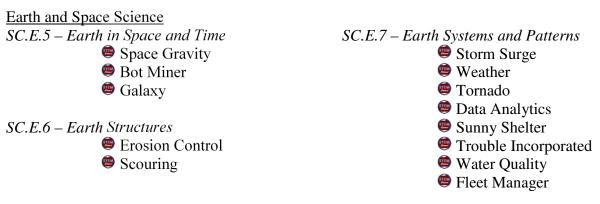
STEM Sims Correlation to Academic Standards Florida: Next Generation Sunshine State Standards – Science (Grades 4 – 12)



Life Science

SC.L.14 – Organization and Development of Living Organisms

- 🕮 Bacteria
- Gram Staining
- Platelets
- Protista
- Flu Transmission
- 🕮 Funky Food
- Smallpox

SC.L.15 – Diversity of Evolution of Living Organisms Influenza

SC.L.16 – Heredity and Reproduction

- DNA Fingerprinting
- Fingerprinting
- Face Recognition
- Microexpressions

SC.L.17 – Interdependence

- Crop Protection
- 🕮 Flu Transmission
- Flea Experiment
- Fish Experiment
- Pool Bacteria
- Manatee Strike Zone
- Bift Valley Fever
- Fisheries
- Unmanned Surface Vehicle

SC.L.18 – Matter and Energy Transformation

- Nitrogen Cycle
- Trophic Towers

Nature of Science

SC.N.3 – The Role of Theories, Laws, Hypotheses, and Models

- Data Analysis
 Mental Rotations
 Stats Entertainment
 Mathematical Methods
- Social Networking
- 🕮 Data Visualization
- Map Coloring
- Data Analytics
- Supply Line
- 🕮 Bridge Out

Physical Science

SC.P.8 – Properties of Matter

- Desalination
- Fluid Density
- Solutions
- Buckyballs
- Chemical Mixer
- Body Fluid Dilution
- Mystery Powder
- Negative Cement
- Concrete Structures
- Explosion Shield
- Spectroscopy
- 🥮 Bridge Metal

SC.P.9 – Changes in Matter

- Heal Thyself
- Betavoltaics
- Super Cells
- Electric Potato
- Map Coloring
- Calorimetry
- Buckyballs
- 🕮 Bacteria Miner

SC.P.10 – Forms of Energy

- Calorimetry
- Energy Downer
- Solar Cells
- Wind Power
- Energy Land
- Betavoltaics
- Electric Power
- Fuel Cells

SC.P.11 – Energy Transfer and Transformations

- Machines
- Modular Synthesizer
- Ship Tracking
- Bright Ideas
- Green Building
- Insulation
- Solar Cells
- Energy Downer
- Electrical Appliances
- Sun Banking
- Charge
- Spectroscopy
- Desalination

SC.P.12 – Motion of Objects

- Acceleration
- Boat Builder
- Push-A-Cart
- Trench Dive
- SC.P.13 Forces and Changes in Motion
 - Dronopter
 - Space Gravity
 - Water Rockets
 - Wind Tunnel
 - 🕮 Car Crash
 - Concrete Structures