

Florida NGSS

Standard 1: The Practice of Science

SC.912.N.1.1

- The Age of Oil
- Climate Change
- Climate Change Confusion
- Solar Still
- What's Cooking 2
- Solar Powered System
- We've Got the Power!
- Solar Savings
- Photovoltaic Power Output & IV Curves
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Battery Power

SC.912.N.1.3

- Climate Change
- Climate Change Confusion

SC.912.N.1.4

- Electromagnetic Spectrum
- The Age of Oil
- Climate Change
- Climate Change Confusion
- Engineering Design Challenge - Our Solar Cooker Company
- Photovoltaic Orientation & Power Output

SC.912.N.1.5

- Photovoltaic Orientation & Power Output

SC.912.N.1.6

- The Age of Oil

SC.912.N.1.7

- Driving Green

Standard 2: The Characteristics of Scientific Knowledge

SC.912.N.2.4

- Climate Change

Standard 3: The Role of Theories, Laws, Hypotheses, and Models

SC.912.N.3.1

- Climate Change

SC.912.N.3.2

- Climate Change

SC.912.N.3.5

- Climate Change

Standard 4: Science and Society

SC.912.N.4.1

- Climate Change
- Engineering Design Challenge - Our Solar Cooker Company

SC.912.N.4.2

- World Population
- The Age of Oil
- What's Cooking?
- Solar Power For Sun Town
- SunSmart Schools
- Good Day Sunshine!
- Solar Savings
- Driving Green
- Solar History

Standard 5: Earth in Space and Time

SC.912.E.5.4

- Climate Change
- Survival Still
- SunSmart Schools
- We've Got the Power!
- Good Day Sunshine!
- Photovoltaic Power Output & IV Curves
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Triangle Game

SC.912.E.5.8

- Electromagnetic Spectrum
- Triangle Game

SC.912.E.5.11

- Photovoltaic Orientation & Power Output

Standard 6: Earth Structures

SC.912.E.6.1

- The Age of Oil

SC.912.E.6.6

- The Age of Oil
- Climate Change
- What's Cooking?
- SunSmart Schools
- Good Day Sunshine!
- Solar Savings
- Driving Green
- Triangle Game

- Solar History

Standard 7: Earth Systems and Patterns

SC.912.E.7.3

- Climate Change

SC.912.E.7.4

- Photovoltaic Orientation & Power Output

SC.912.E.7.6

- Climate Change

SC.912.E.7.7

- Climate Change

- Photovoltaic Orientation & Power Output

SC.912.E.7.8

- Climate Change

SC.912.E.7.9

- Climate Change

Standard 8: Matter

SC.912.P.8.5

- Solar Power For Sun Town

SC.912.P.8.8

- Battery Power

SC.912.8.10

- Battery Power

Standard 10: Energy

SC.912.P.10.1

- Electromagnetic Spectrum
- Solar Still
- Survival Still
- What's Cooking?
- What's Cooking 2
- Solar Power For Sun Town
- Solar Powered System
- SunSmart Schools
- We've Got the Power!
- Photovoltaic Power Output & IV Curves
- Photovoltaic Orientation & Power Output
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Battery Power
- Triangle Game

SC.912.P.10.2

- Photovoltaic Orientation & Power Output

SC.912.P.10.4

- Solar Still
- Survival Still

- What's Cooking?
- What's Cooking 2
- Engineering Design Challenge - Our Solar Cooker Company
- Triangle Game

SC.912.P.10.14

- SunSmart Schools
- Photovoltaic Power Output & IV Curves
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Triangle Game

SC.912.P.10.15

- Solar Powered System
- SunSmart Schools
- We've Got the Power!
- Photovoltaic Power Output & IV Curves
- Photovoltaic Orientation & Power Output
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Triangle Game

SC.912.P.10.17

- Electromagnetic Spectrum

SC.912.P.10.18

- Electromagnetic Spectrum

SC.912.P.10.19

- Photovoltaic Orientation & Power Output

Standard 14: Organization and Development of Living Organisms

SC.912.L.14.6

- Driving Green

Standard 17: Interdependence

SC.912.L.17.1

- World Population

SC.912.L.17.5

- World Population

SC.912.L.17.11

- The Age of Oil
- Climate Change
- SunSmart Schools
- Good Day Sunshine!
- Solar Savings
- Driving Green
- Solar History

SC.912.L.17.12

- The Age of Oil

SC.912.L.17.13

- The Age of Oil
- Climate Change
- Driving Green
- Solar History

SC.912.L.17.14

- The Age of Oil

SC.912.L.17.15

- The Age of Oil
- Climate Change

SC.912.L.17.16

- The Age of Oil
- Climate Change
- Driving Green
- Solar History

SC.912.L.17.17

- The Age of Oil
- What's Cooking?
- Solar Powered System
- SunSmart Schools
- Driving Green
- Solar History

SC.912.L.17.18

- World Population
- The Age of Oil
- Driving Green

SC.912.L.17.19

- The Age of Oil
- Solar History

SC.912.L.17.20

- World Population
- The Age of Oil
- Climate Change
- Driving Green
- Solar History

National NGSS

Matter and Its Interactions

HS-PS1-1

- Solar Power For Sun Town

Motion and Stability: Forces and Interactions

- Solar Power For Sun Town

Energy

HS-PS3-1

- SunSmart Schools
- We've Got the Power!
- Good Day Sunshine
- Photovoltaic Orientation & Power Output
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module

HS-PS3-2

- Battery Power

HS-PS3-3

- Solar Still
- Survival Still
- What's Cooking?
- Engineering Design Challenge - Our Solar Cooker Company
- Solar Power For Sun Town
- Photovoltaic Power Output & IV Curves
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Battery Power

Waves and Their Applications in Technologies for Information Transfer

HS-PS4-1

- Electromagnetic Spectrum

HS-PS4-4

- Electromagnetic Spectrum

HS-PS4-5

- Electromagnetic Spectrum

From Molecules to Organisms: Structures and Processes

HS-LS1-5

- The Age of Oil

Ecosystems: Interactions, Energy, and Dynamics

HS-LS2-1

- World Population

HS-LS2-3

- Climate Change

HS-LS2-5

- Climate Change
- The Age of Oil

HS-LS2-6

- Climate Change

HS-LS-2-7

- Climate Change
- The Age of Oil
- Driving Green

Biological Evolution: Unity and Diversity

HS-LS4-5

- Climate Change

Earth's Systems

HS-ESS2-2

- The Age of Oil
- Climate Change

HS-ESS2-4

- The Age of Oil
- Climate Change

HS-ESS2-6

- The Age of Oil

Earth and Human Activity

HS-ESS-2

- Engineering Design Challenge - Our Solar Cooker Company
- Solar Savings
- Photovoltaic Orientation & Power Output

HS-ESS3-4

- Solar Savings
- Photovoltaic Power Output & IV Curves
- Photovoltaic Orientation & Power Output
- Irradiance, Temperature & PV Output
- Series and Parallel Circuits
- Effect of Shading on a Photovoltaic Module
- Driving Green

HS-ESS3-5

- Climate Change

HS-ESS3-6

- Climate Change

Engineering Design

HS-ETS1-1

- Solar Still
- Survival Still
- What's Cooking?
- Engineering Design Challenge - Our Solar Cooker Company
- Driving Green

HS-ETS1-2

- Solar Still
- Survival Still
- What's Cooking?
- Engineering Design Challenge - Our Solar Cooker Company
- Solar Savings

HS-ETS1-3

- Engineering Design Challenge - Our Solar Cooker Company
- Driving Green