

Sixth Grade

Big Idea 1: The Practice of Science

SC.6.N.1.1

- Insulation
- Hot or Not?
- We're in Hot Water Now
- What's Cooking 2
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body
- We've Got the Power!
- Good Day Sunshine
- Solar Savings
- Fuel Cells – Futuristic Battery

SC.6.N.1.3

- Climate Change
- We're in Hot Water Now

SC.6.N.1.4

- Ice Cube Race
- Insulation
- Hot or Not?
- We're in Hot Water Now
- Rain Machine (Solar Still)
- Solar Still 2
- What's Cooking?
- What's Cooking 2
- Solar Powered System
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

- Fuel Cells – Futuristic Battery

SC.6.N.1.5

- Climate Change
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body
- Poster Contest

Big Idea 2: The Characteristics of Scientific Knowledge

SC.6.N.2.1

- The End of Cheap Oil

SC.6.N.2.2

- The End of Cheap Oil
- Climate Change
- Poster Contest

SC.6.N.2.3

- The End of Cheap Oil
- Climate Change
- Poster Contest

Big Idea 3: The Role of Theories, Laws, Hypotheses, and Models

SC.6.N.3.4

- We're in Hot Water Now
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

Big Idea 6: Earth Structures

SC.6.E.6.1

- The End of Cheap Oil
- Climate Change

Big Idea 7: Earth Systems and Patterns

SC.6.E.7.1

- Electromagnetic Spectrum
- Hot or Not?
- We're in Hot Water Now
- Rain Machine (Solar Still)
- Solar Still 2
- What's Cooking?
- What's Cooking 2
- Triangle Game

SC.6.E.7.5

- K-W-L

SC.6.E.7.6

- Climate Change

SC.6.E.7.8

- K-W-L
- Solar Still 2

Big Idea 11: Energy Transfer and Transformations

SC.6.P.11.1

- Junior Solar Sprint

Big Idea 12: Motion of Objects

SC.6.P.12.1

- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

Big Idea 13: Forces and Changes in Motion

SC.6.P.13.1

- Electromagnetic Spectrum
- We're in Hot Water Now
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

Seventh Grade

Big Idea 1: The Practice of Science

SC.7.N.1.1

- Insulation
- Hot or Not?
- We're in Hot Water Now
- What's Cooking 2
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body
- We've Got the Power!
- Good Day Sunshine
- Solar Savings
- Fuel Cells – Futuristic Battery

SC.7.N.1.2

- Hot or Not?

SC.7.N.1.3

- Climate Change
- Junior Solar Sprint
- Fuel Cells – Futuristic Battery

SC.7.N.1.4

- Hot or Not?
- We're in Hot Water Now

SC.7.N.1.6

- Climate Change

SC.7.N.1.7

- The End of Cheap Oil
- Climate Change

Big Idea 2: The Characteristics of Scientific Knowledge

SC.7.N.2.1

- The End of Cheap Oil
- Climate Change

Big Idea 3: The Role of Theories, Laws, Hypotheses and Models

SC.7.N.3.2

- We're in Hot Water Now

Big Idea 6: Earth Structures

SC.7.E.6.2

- The End of Cheap Oil
- Climate Change

SC.7.E.6.4

- Climate Change

SC.7.E.6.6

- World Population
- Climate Change
- The End of Cheap Oil
- Solar Powered System 2'
- Triangle Game

Big Idea 10: Forms of Energy

SC.7.P.10.1

- K-W-L
- Electromagnetic Spectrum
- Hot or Not?
- We're in Hot Water Now
- What's Cooking?
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Triangle Game

SC.7.P.10.2

- Hot or Not?
- We're in Hot Water Now
- What's Cooking?
- Triangle Game

SC.7.P.10.3

- Electromagnetic Spectrum

Big Idea 11: Energy Transfer and Transformations

SC.7.P.11.1

- Ice Cube Race
- Insulation
- Hot or Not?
- We're in Hot Water Now
- Rain Machine (Solar Still)
- Solar Still 2
- What's Cooking?
- What's Cooking 2
- Triangle Game

SC.7.P.11.2

- The End of Cheap Oil
- Climate Change
- Ice Cube Race
- Hot or Not?
- We're in Hot Water Now
- Rain Machine (Solar Still)
- Solar Still 2
- What's Cooking?
- What's Cooking 2
- Solar Powered System
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body
- Solar Powered System 2
- We've Got the Power!
- Good Day Sunshine
- Solar Savings
- Electrolysis of Water
- Fuel Cells – Futuristic Battery
- Triangle Game

SC.7.P.11.3

- Climate Change

SC.7.P.11.4

- We're in Hot Water Now

- What's Cooking?

Big Idea 17: Interdependence

SC.7.L.17.3

- World Population
- The End of Cheap Oil

Eighth Grade

Big Idea 1: The Practice of Science

SC.8.N.1.1

- Insulation
- Hot or Not?
- We're in Hot Water Now
- What's Cooking 2
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body
- We've Got the Power!
- Good Day Sunshine
- Solar Savings
- Fuel Cells – Futuristic Battery

SC.8.N.1.2

- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

SC.8.N.1.5

- Climate Change

SC.8.N.1.6

- Climate Change
- The Photovoltaic Panel
- Junior Solar Sprint - The Photovoltaic Panel
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

Big Idea 2: The Characteristics of Scientific Knowledge

SC.8.N.2.1

- Sun Misconceptions

Big Idea 3: The Role of Theories, Laws, Hypotheses, and Models

SC.8.N.3.1

- We're in Hot Water Now
- Junior Solar Sprint - The Chassis
- Junior Solar Sprint - Wheels, Axles & Bearings
- Junior Solar Sprint - Drive Train & Transmission
- Junior Solar Sprint - The Body

Big Idea 4: Science and Society

SC.8.N.4.1

- The End of Cheap Oil
- Climate Change
- Poster Contest

SC.8.N.4.2

- Climate Change
- Poster Contest

Big Idea 5: Earth in Space and Time

SC.8.E.5.1

- K-W-L

SC.8.E.5.5

- K-W-L

SC.8.E.5.6

- K-W-L

SC.8.E.5.7

- K-W-L

SC.8.E.5.9

- K-W-L

SC.8.E.5.11

- K-W-L
- Electromagnetic Spectrum
- Hot or Not?
- Triangle Game

Big Idea 8: Properties of Matter

SC.8.P.8.4

- Insulation
- What's Cooking 2

SC.8.P.8.5

- Electrolysis of Water
- Fuel Cells – Futuristic Battery

SC.8.P.8.8

- Electrolysis of Water
- Fuel Cells – Futuristic Battery

Big Idea 9: Changes in Mater

SC.8.P.9.2

- Electrolysis of Water
- Fuel Cells – Futuristic Battery

Big Idea 18: Matter and Energy Transformations

SC.8.L.18.1

- The End of Cheap Oil

SC.8.L.18.3

- Climate Change