

LESSON DESCRIPTIONS



Electricity

A lesson on where electricity comes from and how we use it with fun and exciting demonstrations of static and current electricity! Includes a circuitry

lesson and experiment for the older kids. 30-45 minutes.



Magnetics

Describes how and why magnets attract and repel. Discuss the different types of magnets with demonstrations of each and fun opportunities to participate. 30-40 minutes.



Weather

Describes several weather phenomena and how they occur. Use mini versions of weather occurrences inside the classroom. Tornadoes, thunderstorms,

pressure systems, lightning, wind bursts, the water cycle and more! 30-40 minutes.

A shorter and simpler weather lesson is available for younger students. 20-30 minutes.



Chemistry

Learn how physical reactions, chemical reactions, and the states of matter work. Discuss the difference between a substance and

a product and teaching how elements make different compounds. 40-45 minutes.



Renewable Energy

How renewable is renewable energy actually? In our renewable energy class, we go over 6 major types of renewable energy. We discuss the good, the bad,

and the ugly to each form of energy. 40-45 minutes, best for high school aged kids.



Helicopters

Great for children of all ages! We cut out, fold and decorate paper helicopters then fly them off the balcony! 10-15 minutes.



Astronomy

Learn how space is measured and about the most common space occurrences. We talk about our solar system, the Milky Way Galaxy, light years, nebulas, stars and more! 30-40 minutes.



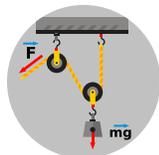
Mission to Mars

Discovers and problem-solves some of the difficulties that will come from trying to accomplish this mission. 30-40 minutes.



Forces of Flight

Discuss the forces of flight including thrust, drag, lift, and weight. Demonstrate the axes of rotation on aircraft (yaw, pitch and roll). 30-40 minutes.



Newton's Laws

Describes the relationship between the force applied to an object and resulting motion of the object. Demonstrates how forces cause changes in speed or direction of objects. 45 minutes.



Tilt of the Earth

Learn about how the tilt of the Earth impacts the weather seasons worldwide. Also, explain how our days, months, and years occur. 40-60 minutes.



Rockets

Lots of fun; we cut, fold, tape, stuff, and launch our paper rockets from the front of the building. Great fun! 1-1.5 hours for building and launching.

MAXIMUM CLASS CAPACITY OF 40.

(Only offered March–October, weather permitting)



C-130 Experience

Find out about the history of the C-130. This plane has the amazing ability to do so many jobs it is sometimes called the Swiss Army Knife of planes. After learning

about this plane, tour our C-130 cabin and cargo bay. 40-45 minutes.