**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)

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

**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. Tornados, 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, chemicals 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.

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**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.

**CONTACT:** To schedule a field trip/visit for these educational programs, or if there are any questions, please contact the Museum Event Coordinator at calendar@aerospaceutah.org or (801) 825-5817.