



Cosmic Club *Astronaut Training Camp* Standards (Grades 3-5)

Next Generation Science Standards (NGSS)

- 3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.
- 4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object.
- 5-PS2-1. Support an argument that the gravitational force exerted by Earth on objects is directed down.
- 3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

Colorado Academic Standards - Mathematics

- Evidence Outcomes - Students Can:
Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction. (CCSS: 3.NBT.A.2)
- Evidence Outcomes - Students Can:
Use place value understanding to round multi-digit whole numbers to any place. (CCSS: 4.NBT.A.3)
- Evidence Outcomes - Students Can:
Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real-world problems. (CCSS: 5.MD.A.1)