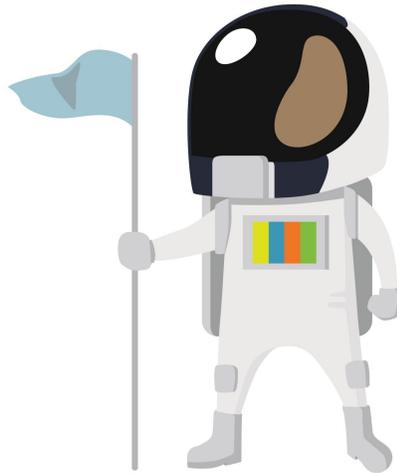




2nd Grade Adventure Field Trip: Alex the Astronaut



Come meet Alex the Astronaut in this field trip focused on Earth Science, Geometry, and Social Studies!

When they were little, Alex used to look up at the stars at night and dream of being an astronaut. Alex would imagine flying through space in a rocket ship, conducting scientific experiments and exploring new planets. And Alex's dream finally came true last year! After years of going to school and doing astronaut training, Alex became an official astronaut. Now it's time for Alex to help some fellow astronauts return from space -- but Alex needs some help! Thankfully, Alex knows just the people to call, so they are reaching out to some friends (that's you!) and asking them to come to Wonderscope to help out!

The activities for this field trip are as follows:

Activity One: Help Alex save the astronauts!

In this activity, students will help Alex find safe landing spots for a team of astronauts returning from space. As part of this activity, students will read a map and identify areas of land and different bodies of water. This station aligns with the following MO and KS 2nd Grade Learning Standards:

MO Science 2.ESS2.C.1: *Obtain information to identify where water is found on Earth and that it can be solid or liquid.*

MO Social Studies K.EG.5.A.a: *Identify maps as representations of real places.*

KS Science 2-ESS2-3: *Obtain information to identify where water is found on Earth and that it can be solid or liquid.*

KS Social Studies SSG2.2: *Uses maps, globes, and other geographic models to identify cultural and environmental characteristics of places.*

Activity Two: Help Alex build a satellite!

In this activity, students will each build a satellite to help the astronauts unscramble their space signals! Students will follow a 2D blueprint with a variety of shapes and will then use various materials to create a 3D model. This station aligns with the following MO and KS 2nd Grade Learning Standards:

MO Math 2.GM.A.1.a: *Reason with shapes and their attributes. Recognize and draw shapes having specified attributes, such as a given number of angles or sides. Identify triangles, quadrilaterals, pentagons, hexagons, circles and cubes.*

KS Math 2.G.1.: *Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. (2.G.1)*

Activity Three: Help Alex learn about the history of space exploration!

In this activity, students will learn about pioneers in the history and development of space exploration! This station aligns with the following MO and KS 2nd Grade Learning Standards:

KS Social Studies, History Standards 1 and 4: They will recognize and evaluate how inventors and important inventions from the past influence their daily life today using examples from the United States and the world. How have past inventions changed or impacted your daily life? (Standard 1).

MO Social Studies 2.H.C.3: Describe the contributions of inventors or pioneers in their field who influenced progress in the nation (e.g., Eli Whitney, Henry Ford, Thomas Edison, Ben Franklin, Albert Einstein, the Wright brothers, Marie Curie, Helen Keller, Susan B. Anthony, Charles Drew, Alexander Graham Bell, Amelia Earhart, Rosa Parks, Sacajawea, etc.)