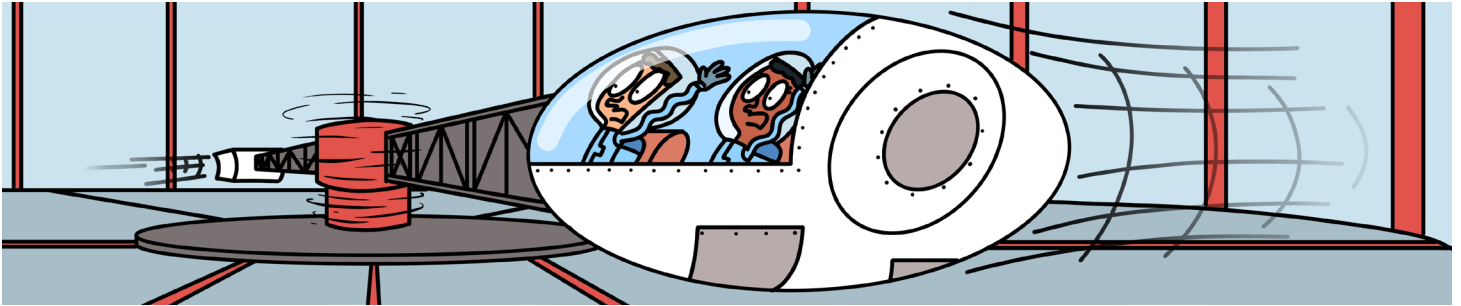


A Blast of a Field Trip

The class is taking a BIG field trip – to Huntsville, Alabama for astronaut training. _____ **1st student** has always wanted to be an astronaut. So does _____ **2nd student** who wants to be the pilot, and _____ **3rd student**, who wants to be the first chef on board. Let's see how they do in training!



1. They get inside a “centrifuge,” a round room that spins the astronauts really fast. This presses them against the wall, so it feels like takeoff. _____ **4th student** sets the spinner to 700 spins a minute for _____ **1st student** and 1,100 spins a minute for _____ **2nd student**. Which astronaut will spin faster?

2. Astronauts also need to be in really great shape. _____ **1st student**, wearing a _____ **color** spacesuit, does 50-one armed pushups a minute for 16 minutes. _____ **2nd student**, wearing a stylish _____ **another color** shirt and _____ **another color** shorts, does 44 one-armed pushups a minute for a whole 20 minutes. Who did more pushups?

3. _____ **3rd student** is testing out tubes of space food. The squirtable _____ **food** can take exactly 510,862 seconds of flight before it explodes. Meanwhile, the squirtable _____ **another food** can last for 98,905 seconds. Which tube of food explodes sooner?

4. Oops – the centrifuge is hooked to a rocket booster. The four kids blast into space! They zoom 34,791 miles north, then whip around and fly 107,200 miles south. Are they north or south of where they started?