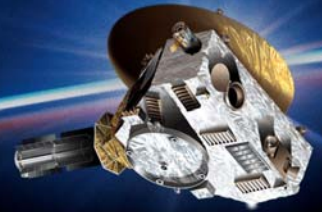


# NEW HORIZONS

To Pluto and Beyond

<http://pluto.jhuapl.edu>



## WHERE ARE WE GOING?

### **Level**

Grades 2 - 5

### **Learning Goals**

Practice rounding numbers to ones and tens places, multiplying numbers, working with simple fractions.

Understanding the placement and distances of planets in the Solar System.

### **National Science Education Standards**

*Standard D: Objects in the Sky*

### **National Council of Teachers of Mathematics**

*Number and Operations: Multiplying and dividing numbers; understanding commonly used fractions; estimation (rounding)*

*Problem Solving: Solve problems that arise in mathematics and other contexts*

### **Materials per class:**

New Horizons growth chart poster (optional—to help visualize movements)

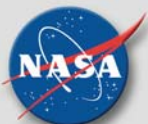
### **Materials per student:**

Pencil

Student Activity Sheet

### **Teacher Overview**

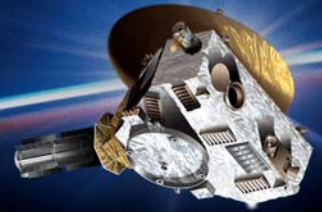
1. Students will be using mathematics skills (rounding, multiplication, fractions) to pilot an imaginary spacebus around the Solar System.
2. At the beginning of the Student Activity Sheet, several questions are posed regarding the solar system and the distances of the planets from the Sun. You may want to discuss these questions or have students write their thoughts in a journal.



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## **Answers**

1. Saturn, Jupiter
2. Neptune, Uranus
3. Pluto, Uranus, Saturn, Jupiter
4. Mars, Uranus
5. Neptune, Saturn, Jupiter
6. Pluto, Saturn, Neptune, Uranus

