

The Magic School Bus: Lost in the Solar System

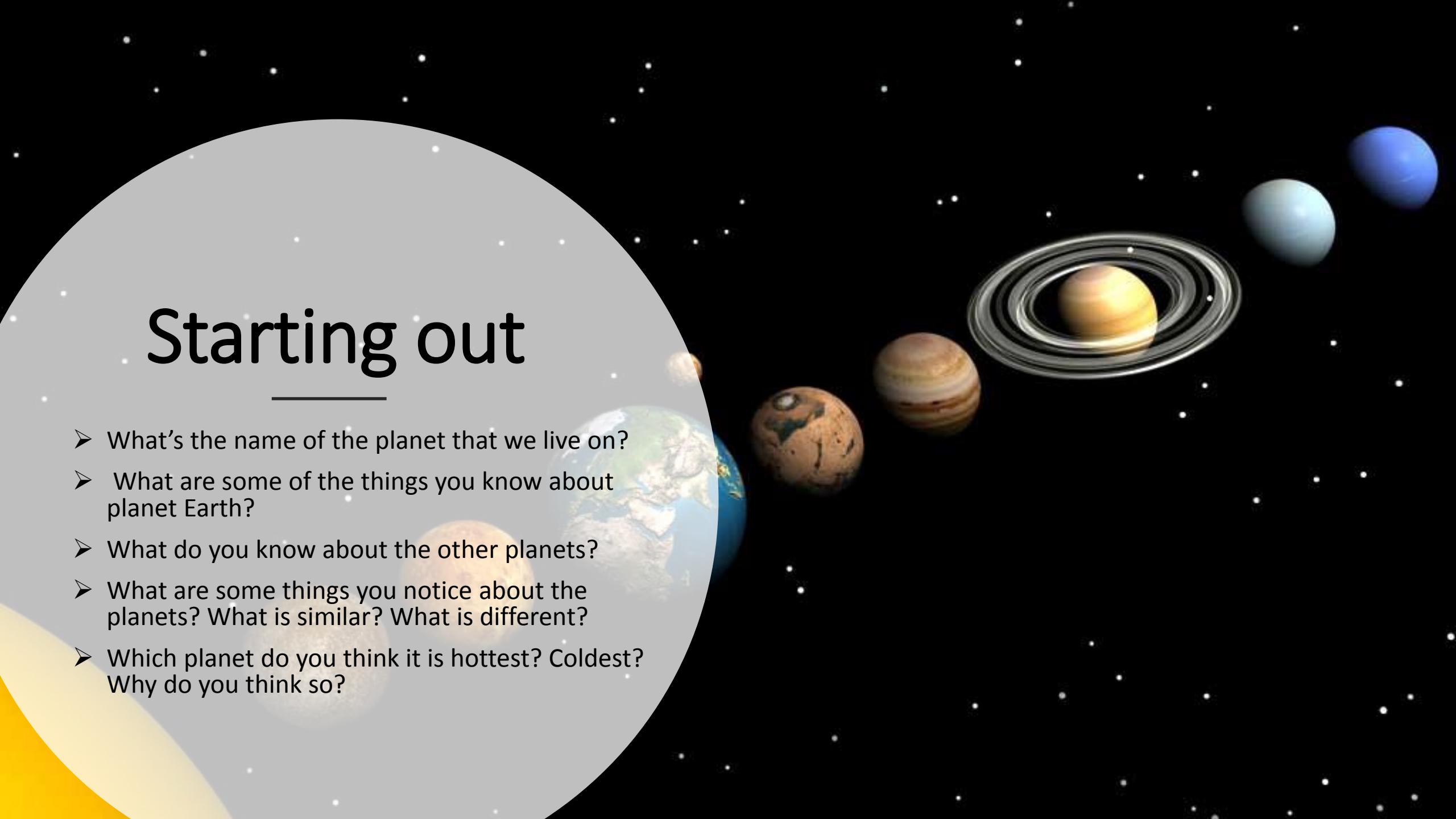
When the class gets lost on the way to the planetarium, Ms. Frizzle saves the day by blasting into outer space for an epic inter-planetary field trip! But when rivalries both old and new threaten to tear the students apart, our young heroes must learn to pull together or risk getting forever lost in the solar system... Hop on the Magic School Bus for a ride in Theaterworks USA's new musical adaptation based on the original book series published by Scholastic.

This will be a link to the study guide Full Study Guide [HERE](#)



Starting out

- What's the name of the planet that we live on?
- What are some of the things you know about planet Earth?
- What do you know about the other planets?
- What are some things you notice about the planets? What is similar? What is different?
- Which planet do you think it is hottest? Coldest? Why do you think so?

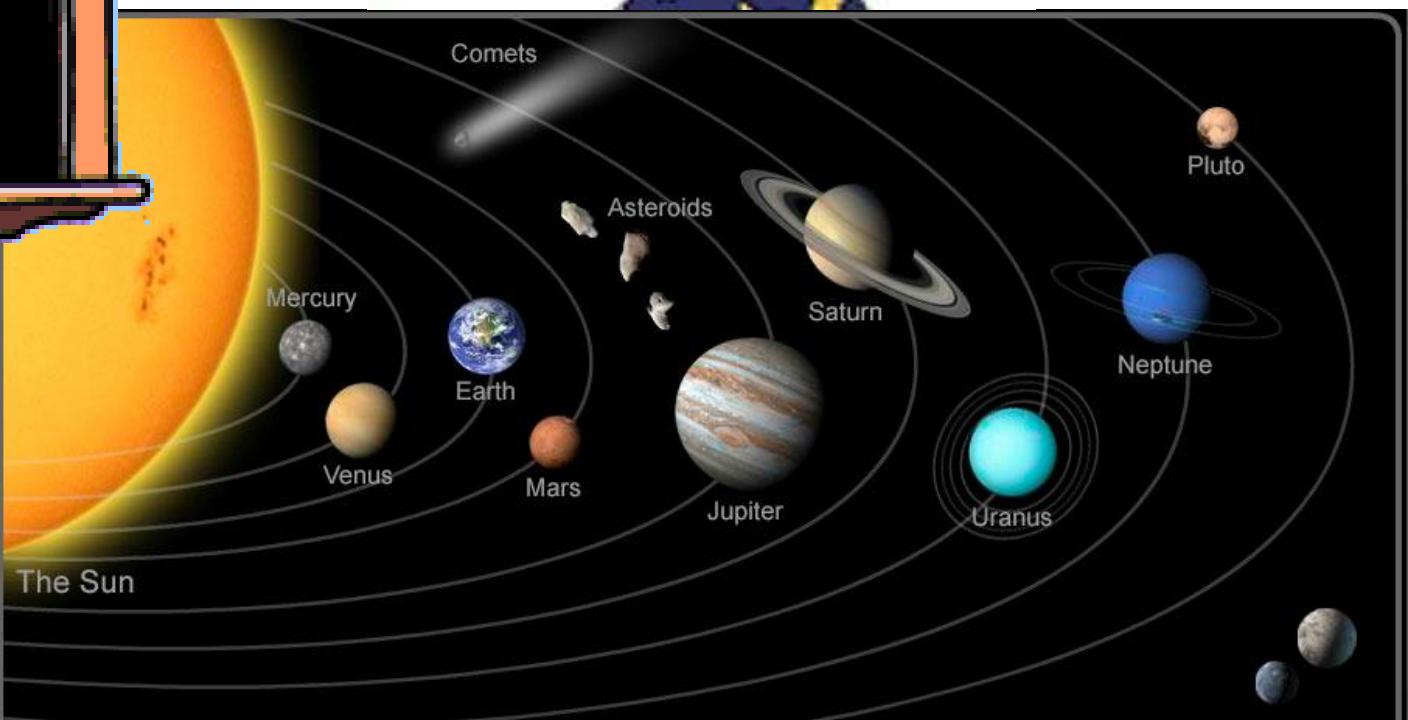


Ms. Frizzle's Ideas for the Day

- Solar means “sun.” The Sun is the center of our Solar System.
- The Solar System is our planetary neighborhood. The Earth is one of nine planets that orbit around the Sun.

Explore the Planets
on Your Own!

Check out NASA's [website](#) for fun activities, cool features, and more knowledge!



Facts about the Solar System

- The solar system includes the [Sun](#) and all the objects that orbit around it due to its gravity. This includes things such as [planets](#), [comets](#), [asteroids](#), [meteoroids](#) and [moons](#).
- There are eight planets in the Solar System. The four inner planets are [Mercury](#), [Venus](#), [Earth](#) and [Mars](#) while the four outer planets are [Jupiter](#), [Saturn](#), [Uranus](#) and [Neptune](#).
- The inner planets (also known as terrestrial planets) are smaller and made mostly of rock and metal.
- The outer planets (also known as gas giants) are much larger and made mostly of hydrogen, helium and other gases.
- As of 2008, there are also five dwarf planets: [Pluto](#), Ceres, Eris, Makemake & Haumea.

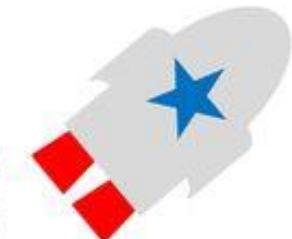
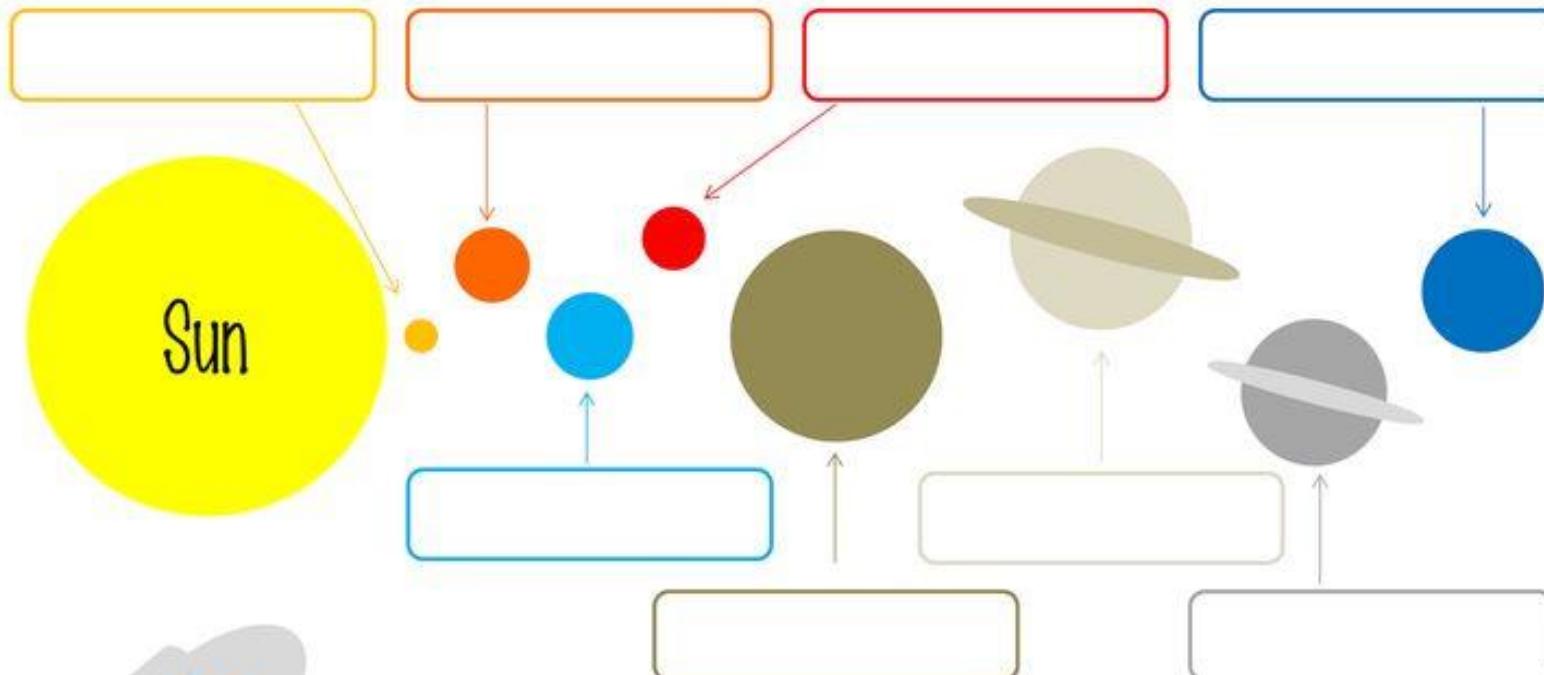


Name:



My 8 Planets

Label each planet using the word bank below.



Word Bank

Uranus Mars Mercury Neptune Earth Saturn Jupiter Venus



I can follow directions.
I can name all 8 planets.
I can write the names of all 8 planets.

Seeing a Play! Things to Know

You're about to see *The Magic School Bus* at Clowes Memorial Hall, but what does that mean?

- **Actors** will perform the parts of all the characters you know and love. Actors are people who perform in plays and movies as their job.
- They will act from a script that a special kind of author, called a **playwright**, created. Playwrights write plays and musicals like this for the stage.
- A **director** helped the actors figured out how to perform the script—that's their job.
- It's all brought together by **technicians** and **designers** who created the set (the back ground and furniture), lighting, costumes, and sound for the show.

That's how **theatre** is made!



The Magic School Bus Brought to Life on Stage

- How do you think Magic School Bus will look as a **play**?
- How do you think the *bus* will be created and go into *outer space*? How will *cartoon characters* come to life?
- Think about how *lighting, costumes, set pieces, and props* could be used to make this production happen.
- Talk with a group and discuss your ideas for staging *The Magic School Bus: Lost in the Solar System*.
- Sketch out your ideas and share them with the class or parents.

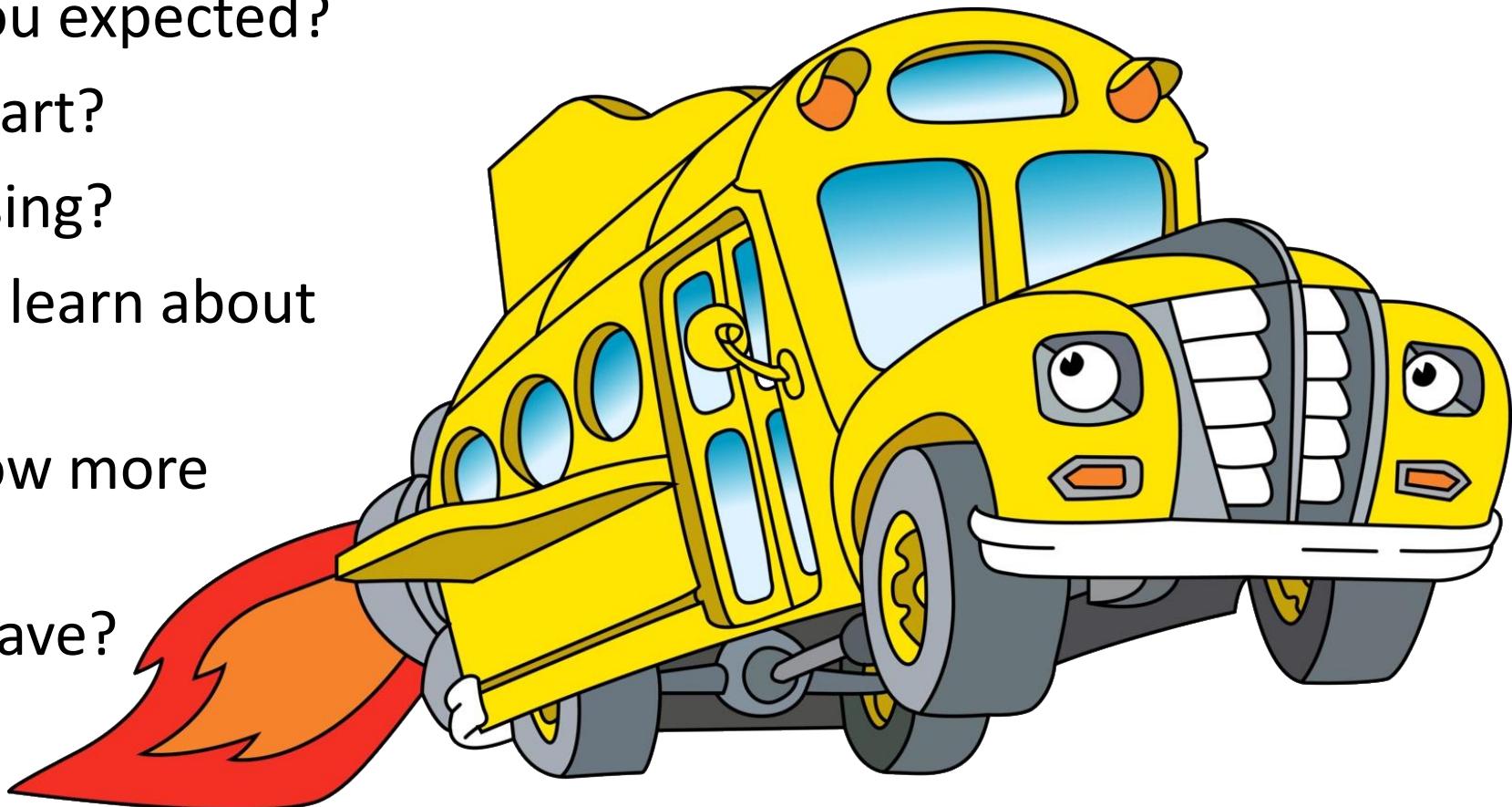


How We Know So Much About Space

- **NASA**
 - **NASA** is the National Aeronautics and Space Administration
 - They're responsible for sending **astronauts** into space
 - They do a lot of other **research** about space too
- **Scientists**
 - **Scientists** research space, some at places like NASA
 - People have been asking questions about space and science for thousands of years
 - **Galileo** figured out the **solar system** 500 years ago!
- **Hubble Telescope**
 - Is the most powerful telescope in the world and helps us observe and discover space from here on earth

Now that You've Seen *The Magic School Bus*...

- What was *different* about the staging or costuming than what you thought you may see? What was as you expected?
- What was your favorite part?
- What did you find surprising?
- What new things did you learn about space?
- What do you want to know more about?
- What questions do you have?



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