

THE SOLAR SYSTEM & PLANETS



Special Needs for Special Kids

**Special
Ed**

ALSO INCLUDES GOOGLE SLIDES



For students who:

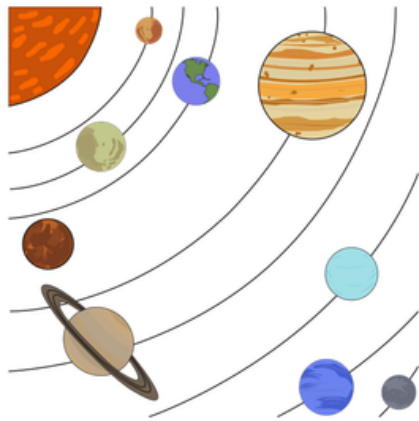
- are emerging or non-readers
- take alternate assessments
- are in special education
- short-attention span
- lack pre-requisite skills
- benefit from the use of pictures for support
- middle/high school

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- *10 days of lesson plans*
- *Solar System activities in color*
- *Solar System activities in black and white*
- *Voice-recorded PowerPoint show*
- *The Solar System book (PowerPoint) to use with activities*
- *Links and directions to digital activities*

Solar System Unit

By
Christa Joy
Special Needs for Special Kids



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Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoint (this is the book in the lesson plans)
- Voice recorded PowerPoint
- Activities in black and white

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This unit contains 10 days of material in printable and digital formats. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

It comes in 2 separate files. One in color and one in black and white.

Day 3

Activity	Notes	Materials
Read or listen to a recording of the book (10 minutes)	<ul style="list-style-type: none"> • Read through the story, asking lots of questions • Continue to make connections between book and vocabulary board 	<ul style="list-style-type: none"> • Book • Vocabulary board
Vocabulary cards Go Fish Game (15 minutes)	<ul style="list-style-type: none"> • Using several completed student sets of vocabulary cards play a traditional go fish game <ul style="list-style-type: none"> ◦ Modify/use devices or buddies as needed for additional support 	<ul style="list-style-type: none"> • Vocabulary cards (student sets) • Vocabulary board
Flash cards: I have who has activity (10 minutes)	<ul style="list-style-type: none"> • Today you will be introducing the flash cards • Keep one set for yourself • Pass out the other set of cards • Hold up a card <ul style="list-style-type: none"> ◦ Talk about it, asking questions about what you see ◦ Using the vocabulary board, have students identify what type of change is occurring • Ask which student has the matching card 	<ul style="list-style-type: none"> • Vocabulary board • Flash cards (2 sets) • (You will not need the sorting labels for this activity)
Circle map review (5 minutes)	<ul style="list-style-type: none"> • Review the circle map completed yesterday 	<ul style="list-style-type: none"> • Circle map completed yesterday
Sorting activity (10 minutes)	<ul style="list-style-type: none"> • Do the sorting activity on which planets are mostly gas and which are rocky • Add color coding if needed. • Make connections to the book as necessary 	<ul style="list-style-type: none"> • Sorting activity • Scissors • Glue
Sharing (10 minutes)	<ul style="list-style-type: none"> • Each student shares their finished circle map 	<ul style="list-style-type: none"> • Completed activity • Communication devices

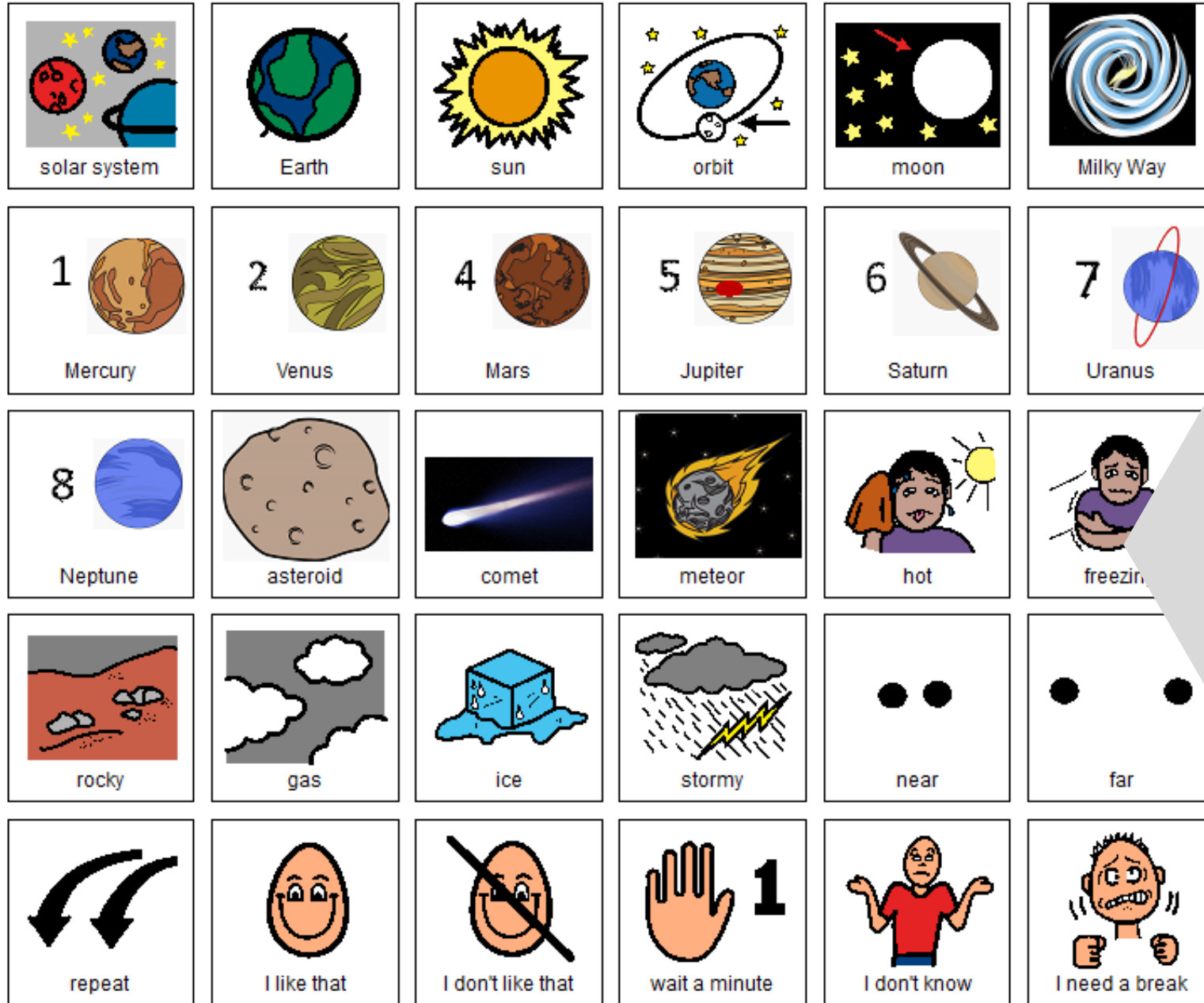
There is a detailed lesson plan with:

- suggestions
- overview
- daily step-by-step guide

This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!



Our solar system is just one part of the galaxy we live in called the **Milky Way**. It was formed over 4.6 billion years ago.



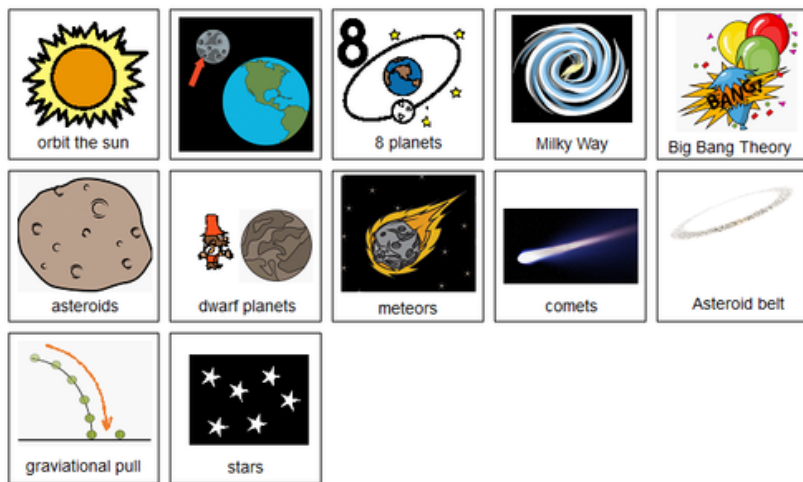
The surface of **Mars** is covered with red dust and rocks. That is why we often call it the Red Planet. It also has the tallest mountain or volcano that scientists have found.



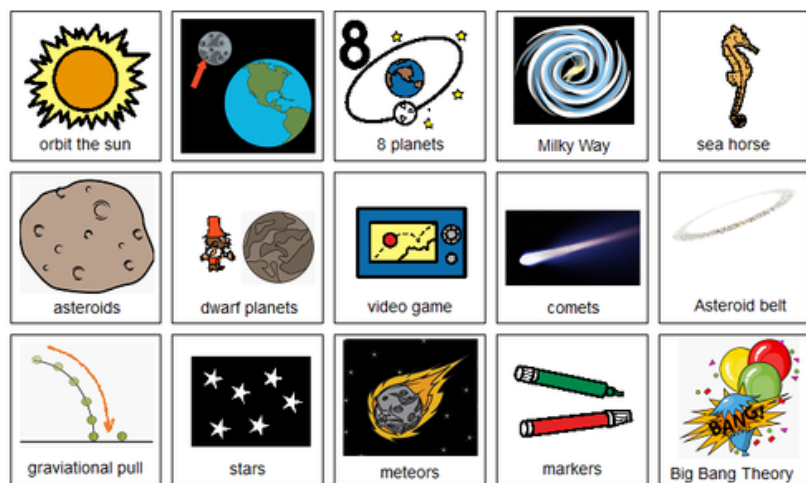
There is a 58 page book with simple text and engaging photos. It comes in:

- PowerPoint
- recorded PPT show
- mp4 (movie) file

Cut apart pictures and place in circle map about the solar system.



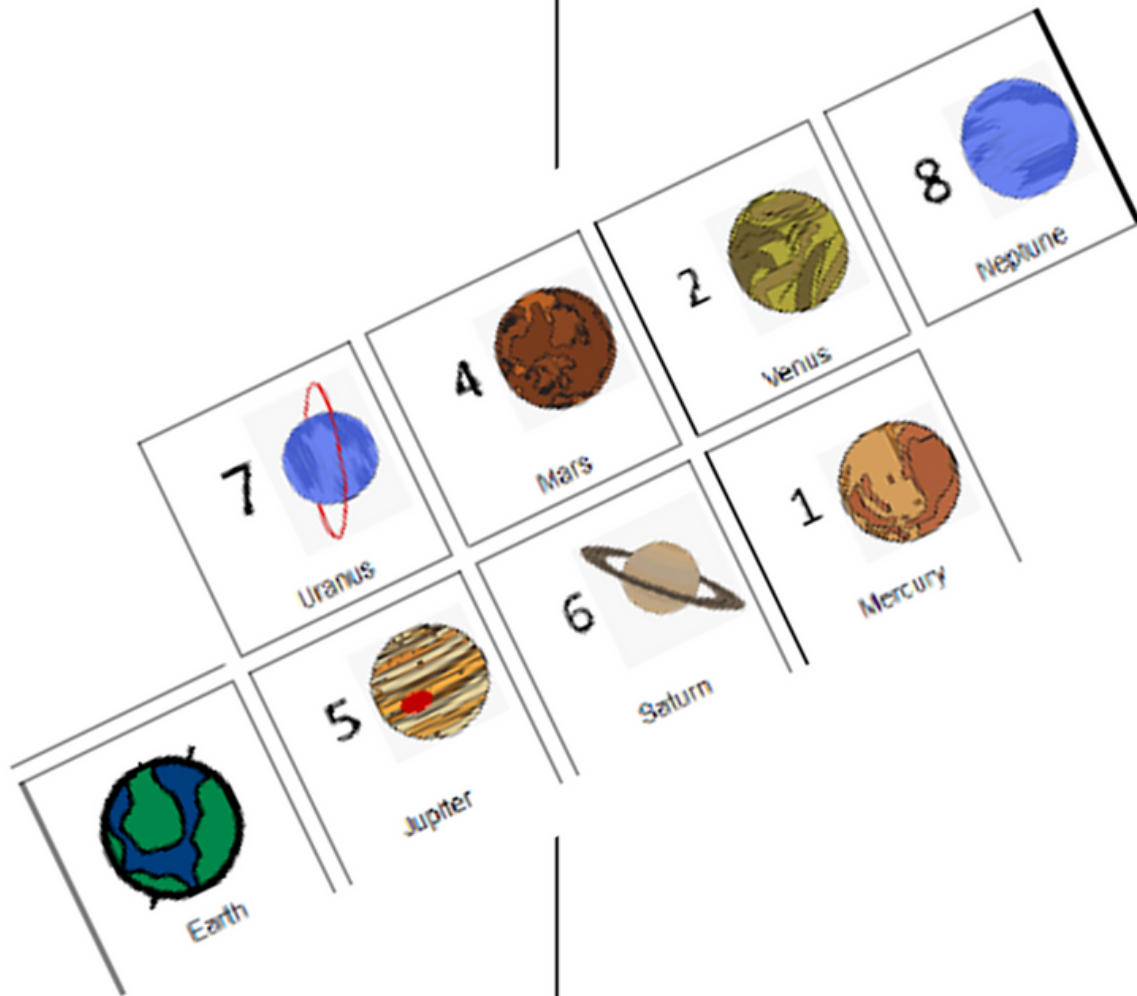
Cut apart pictures and place in circle map **ONLY IF** they relate to the solar system.



There are 2 circle maps. One is a general look at the solar system and one specifically looks at the planets.

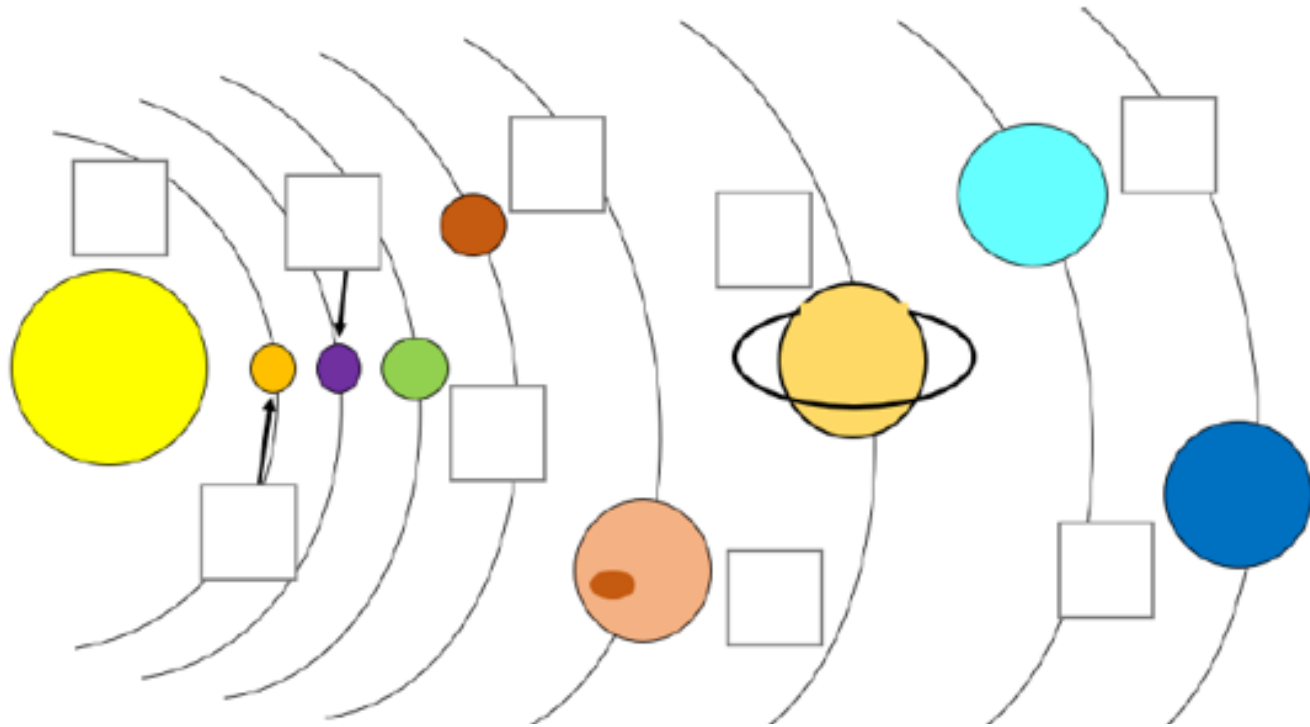
Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

- One is errorless
- One has wrong answers mixed in students will have to set aside



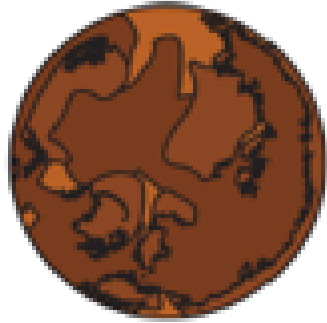
There is a sorting activity comparing the composition of the various planets. Suggestions for making a color-coded option included.

Label the planets



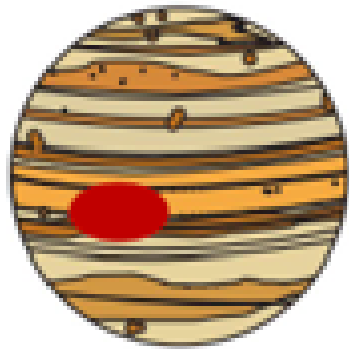
There is a labeling activity. Suggestions for differentiation are included.

Mars



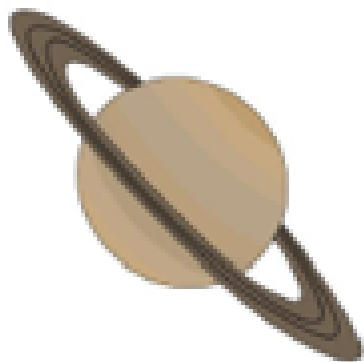
- 4th planet from the sun
- Hard, rocky surface
- Red dirt
- Huge, powerful dust storms

Jupiter



- 5th planet from the sun
- Largest planet
- Huge ball of gas
- Solid core
- Large red spot is a big storm

Saturn



- 6th planet from the sun
- Lightest planet
- Rings made of rocks and ice
- Huge ball of gas
- Solid core

There are 14 flashcards going over the main characteristics of each planet. These are also used in group activities.

Going on a Trip into Space

1. I traveled into space on a

2. I landed on

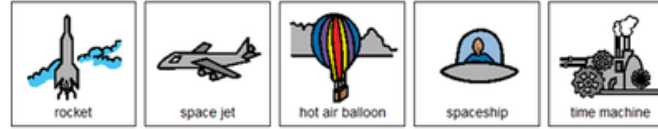
3. It felt

4. The ground was

5. I also saw

Have students pick one or more pictures for each question to complete the writing prompt on the previous page. They could also come up with their own answers!

1



2



3

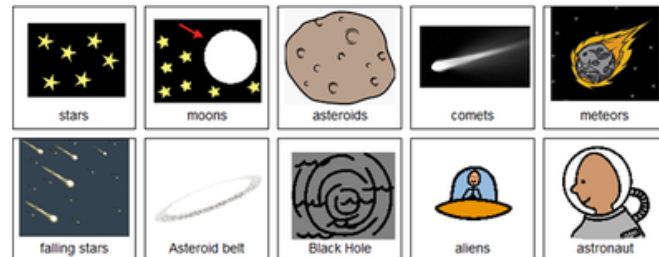


Have students pick one or more pictures for each question to complete the writing prompt on the previous page. They could also come up with their own answers!

4



5



There is a writing prompt about going into space. This is an errorless activity.

Mars

4th planet from the sun. Hard rocky red surface with severe dust storms.



Jupiter

5th planet from the sun. Largest planet made of gas and a giant red spot.



Saturn

6th planet from the sun. Planet made of gas with giants rings around it.



Uranus

7th planet from the sun. Planet made of gas that spins on its side like a marble.



There are 22 vocabulary cards included in this unit. There are group activities to do with the cards each day.

comet

Large groups of ice, dust and metal that orbit the sun and has a tail.



asteroid

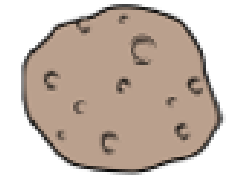
Large chunks of rock and metal that orbit and tumble around the sun.



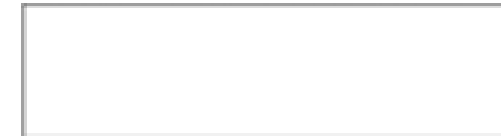
comet



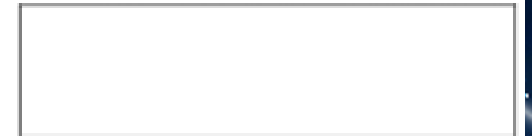
asteroid



Asteroid belt



Meteor



Asteroid belt

Largest collection of asteroids scientists have found. It is located between Jupiter and Mars.

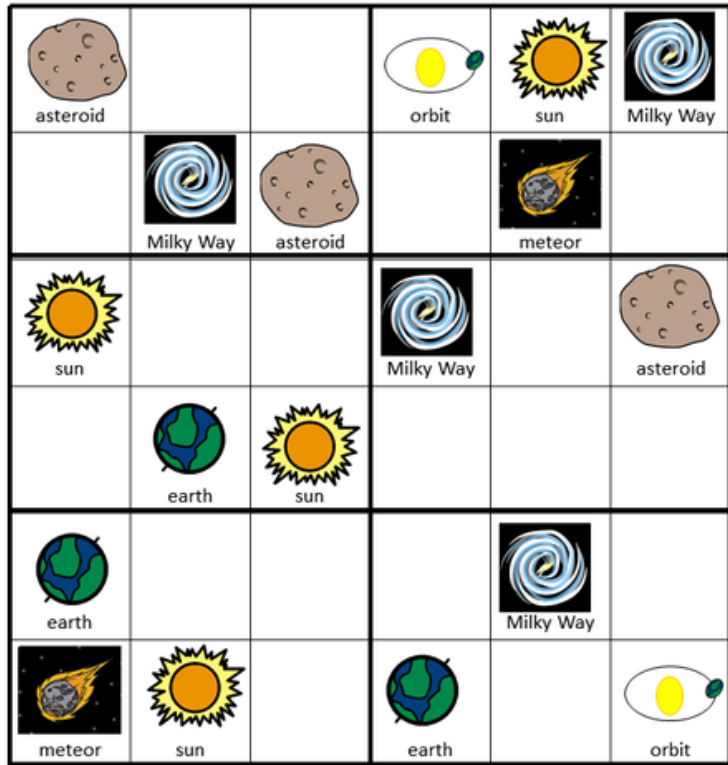


Meteor

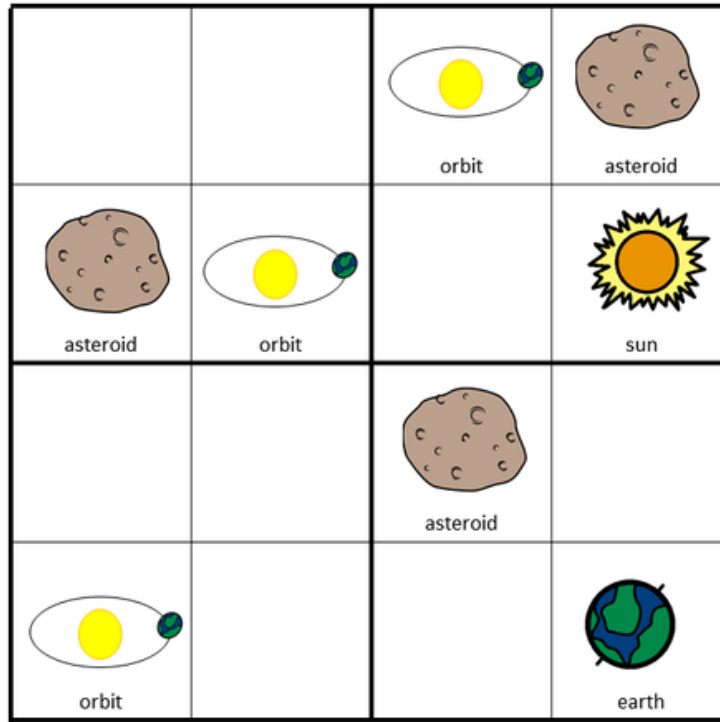
Smaller chunks of rock and metal have broken off from a comet or asteroid.



Solar System



Solar System



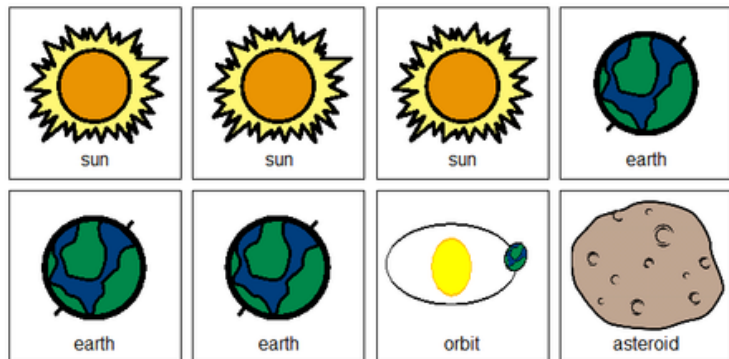
There are vocabulary puzzles.

Solar System

M I L K Y W A Y C K
 E V G A M U L J O A
 A E M S E K N U M S
 R N E T R U E P E A
 T U T E C R P I T T
 H S E R U A T T P U
 D M O O R N U E L R
 C A R I Y U N R U N
 E R O D I S E F T G
 R S O R B I T J O R

- | | | | |
|-----------|----------|---------|---------|
| milky way | asteroid | Neptune | Mercury |
| Saturn | Jupiter | meteor | Uranus |
| Earth | comet | Venus | Pluto |
| orbit | Mars | | |

Place the following images in the empty squares on the previous page, completing the sudoku puzzle.



The Solar System

1. The solar system formed 4.6 billion years ago when a huge cloud of dust and rocks .

2. The galaxy we live in is called .

3. There are planets in our solar system.

4. All the planets around the sun.

5. The planets closer to the sun have a surface.

Those farther from the sun have a surface.



rocky

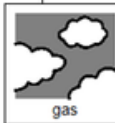


Milky Way

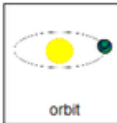


exploded

8



gas



orbit

The Solar System

6. The Asteroid belt is between and .

7. When you see a falling star, it is really a in the Earth's atmosphere.

8. Uranus is tilted on its side and orbits more like a instead of a top around the sun.

9. keeps the planets from flying off into space.

10. Pluto used to be a planet, but now it is a .



5

Jupiter



dwarf planet



marble

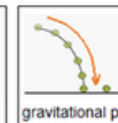


4

Mars



meteor



gravitational pull

There are 2 fill in the blank worksheets. These are great for review prior to the assessment to determine if any re-teaching is needed.

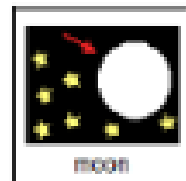
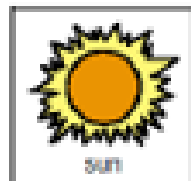
1. The galaxy we live in is called the:



2. There are how many planets in our solar system?



3. The planets all orbit around the:



4. The planet closest to the sun is:



5. This used to be a planet, but now it is a dwarf planet.



1. The galaxy we live in is called the:

- A. Big Bang Theory
- B. Orbit
- C. Milky Way

2. There are how many planets in our solar system?

- A. 8
- B. 12
- C. 3

3. The planets all orbit around the:

- A. Earth
- B. Sun
- C. Moon

4. The planet closest to the sun is:

- A. Mercury
- B. Jupiter
- C. Saturn

5. This used to be a planet, but now it is a dwarf planet.

- A. Earth
- B. Asteroid
- C. Pluto

6. These orbit the sun, but are lumpy rocks that tumble.

- A. Dwarf planet
- B. Marbles
- C. Asteroid

There is a 10 question final assessment.

There are 3 versions including a standard multiple choice without pictures.

Watch the
movie on the
Solar System

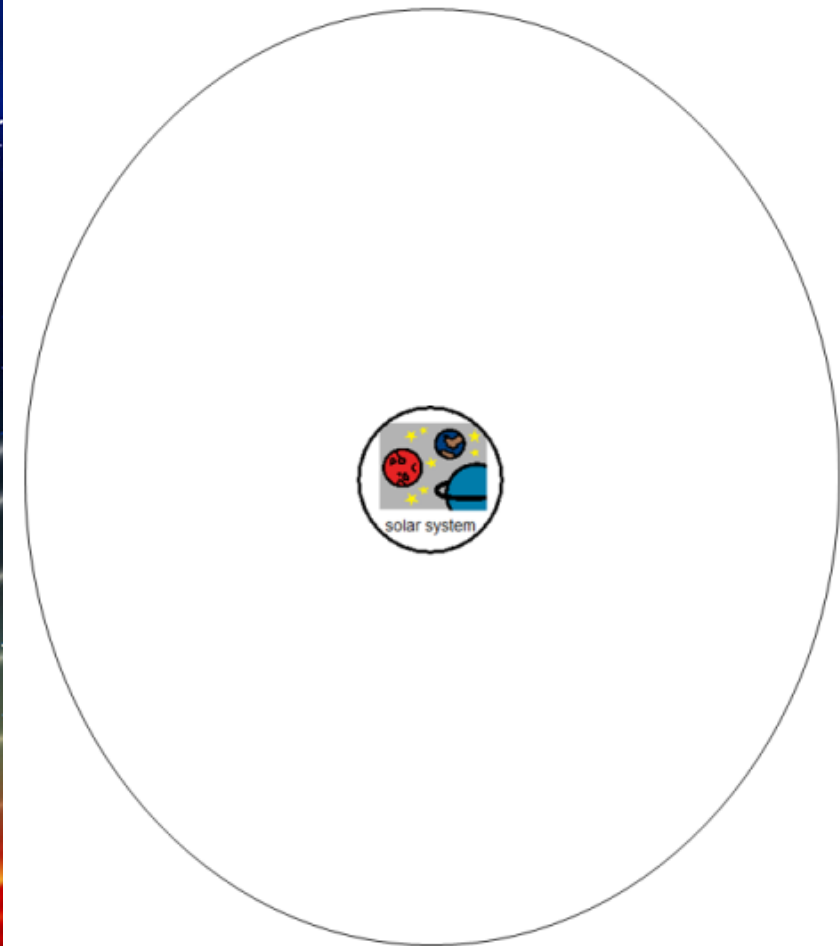
The **Milky Way** is a large disc shaped grouping of over 200 billion stars that spins and is suspended in space.



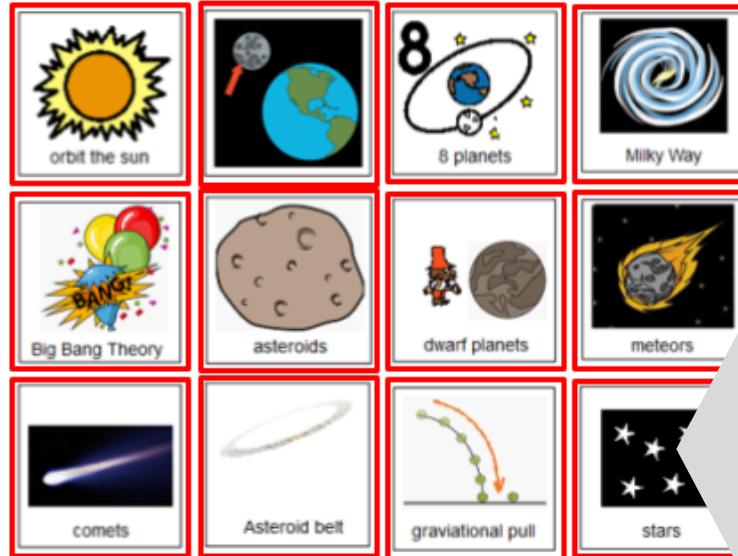
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This unit also includes digital versions of the activities.

Students can watch a movie book version of the book rather than print it out.



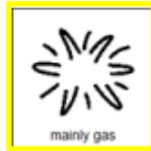
Place pictures in circle map about the solar system.



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Each activity is set up so students can click and drag answers. No typing is required.

The second set of slides uses color for differentiation and extra support for students who may need it. Mix and match slides from both sets to make the perfect set for each student.



Put the following planets in the best column depending on what it is mostly made of. If you are not sure, place it on the middle line.

