Solar System Travel Brochure

The year is 2100. There have been many amazing and interesting discoveries this past century. Earthlings have the ability to travel faster than the speed of sound in vehicles that are resistant to temperature and pressure. Nuclear fuel propels these vehicles. Earthlings now want to attract tourists from other planets to travel to our solar system.

You are going to develop a travel brochure to promote the Solar System. Use FACTS about the Solar System plus your ideas to convince these tourists to include your tour in their vacation plans. Be sure to describe not only the Solar System site the visitors will see, but also the transportation they will take and their accommodations on the planet.

Before you begin, look at some examples of travel brochures. You want your final product to look something like that. Remember – you do not have to put the sections in exact order; you just have to have all sections.

Travel Brochure

Use an 11x17 sheet of paper. Fold it into fourths (hamburger style.) This will give you eight sections (front and back.)

Section 1 (Cover)

⊙ Name of your tour along with an attractive illustration.
Section 2

Select a rocky planet.
Where is your planet located (for example, Earth is the third planet from the Sun)?
How far is your planet from the Sun?
How long does it take your planet to orbit the Sun (this is its year)?
How long does it take your planet to rotate on its own axis? (This is one day on Earth.)
What space probe(s) has/have visited your planet?
How much would the tourists weigh (they come from a planet similar to Earth)?
Facts about your planet - size, temperature, atmosphere, what it looks like, etc.
Are there any special things on your planet the tourists would want to see?
If it has a moon(s), don’t forget information about the moon(s)!

Section 3

Select a gas giant.
Where is your planet located (for example, Earth is the third planet from the Sun)?
How far is your planet from the Sun?
How long does it take your planet to orbit the Sun (this is its year)?
How long does it take your planet to rotate on its own axis? (This is one day on Earth.)
What space probe(s) has/have visited your planet?
How much would the tourists weigh (they come from a planet similar to Earth)?
Facts about your planet - size, temperature, atmosphere, what it looks like, etc.
Are there any special things on your planet the tourists would want to see?
If it has a moon(s), don’t forget information about the moon(s)!

Section 4

Share information about the asteroids.
Where are they located?
How many?
What are the sizes of the asteroids?
Facts about the asteroids - size, temperature, atmosphere, what it looks like, etc.
Are there any special things on any asteroid the tourists would want to see?
**Section 5**

- Share information about the comets.
- Of what are comets made?
- Where are they found?
- What are the orbits like?
- Facts about the comets - size, temperature, atmosphere, what it looks like, etc.
  
  Are there any special things about the comets the tourists would want to see?

**Section 6**

- Share information about the dwarf planets.
- Where are they found?
- What are their orbits like?
- Facts about the dwarf planets - size, temperature, atmosphere, what it looks like, etc.
  
  Are there any special things on the dwarf planets the tourists would want to see?

**Sections 7 & First ½ of Section 8**

- Based on what you know about the Solar System, come up with some activities the tourists could do. For example - swimming or flying on Titan, geyser diving on Triton, etc. **BE CREATIVE.**

**Second ½ of Section 8**

- Information about your travel agency and the tour - from where it starts, how much, how to contact you, etc.
Solar System Travel Brochure Rubric

This activity covers the following 6th Grade Science Core Standards:

STANDARD III: Students will understand the relationship and attributes of objects in the solar system.

Objective 1: Describe and compare the components of the solar system.
   b. Using references, compare the physical properties of the planets (e.g., size, solid or gaseous).
   d. Describe the characteristics of comets, asteroids, and meteors.

Objective 2: Describe the use of technology to observe objects in the solar system and relate this to science's understanding of the solar system.
   c. Relate science's understanding of the solar system to the technology used to investigate it.
   d. Find and report on ways technology has been and is being used to investigate the solar system.

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<th>Category</th>
<th>4</th>
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<tr>
<td>Content - Accuracy</td>
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<td>All facts in the brochure are accurate.</td>
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<td>Knowledge Gained</td>
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<td>Student can accurately answer all questions related to facts in the brochure and to technical processes used to create the brochure above and beyond what was required.</td>
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<td>Student can accurately answer some questions related to facts in the brochure and to technical processes used to create the brochure.</td>
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<td>Required Elements</td>
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