



STARBASE Challenge: Planet Posters

Our solar system is out there waiting to be explored! Now's your chance to do a little research on the major features of the system we call home. Learn more about the planets, dwarf planets, asteroid belt and more using the links below. Answer the questions below about the solar system in general. Then choose one of the options below to research in more detail. Use your creativity to display what you have learned about this topic in a poster size at least 11" x 17".

Use these links to find out more about the solar system:

- https://www.lpi.usra.edu/education/explore/solar_system/background/
- https://solarsystem.nasa.gov/kids/do-it-yourself/?page=0&per_page=40&order=created_at+desc&search=&category=139
- <https://spaceplace.nasa.gov/menu/solar-system/>
- <https://nineplanets.org/kids/>
- https://www.windows2universe.org/?page=/our_solar_system/solar_system.html
- <https://www.youtube.com/watch?v=Y2ijS8jY4F4&list=PL31002AD70975DC1B&index=8>

Solar System Questions:

1. Approximately how many stars are in our solar system?
2. What kinds of things orbit around the Sun?
3. When and how did our solar system form?
4. Write the names of the planets in order from closest to farthest from the Sun.
5. Which planets have moons and how many do they have?

Choose one option below to research. Find the answers to these questions and include them in your poster!

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|---------------|---------|--------|
| Asteroid belt | Mercury | Sun |
| Earth | Neptune | Uranus |
| Jupiter | Pluto | Venus |
| Mars | Saturn | |

1. What is the surface like?
2. What is it made of?
3. Does it have an atmosphere? If so, what is it like and what is it made of?
4. How cold and hot does it get on the surface?
5. What is it like on the inside?
6. Does it have a magnetic field?
7. What else makes this part of the solar system special?