

Planetary Poster

The solar system is a big place, bigger than we can imagine. But that doesn't mean scientists haven't figured out its dimensions. They can demonstrate information with scale drawings that show the relative closeness of objects. You will be creating a poster that demonstrates the size of the solar system and all of its celestial bodies.

Requirements:

1. The poster must include three facts about each planet and the Sun.
2. Use accurate colors (Neptune is blue, for example).
3. Must address scale (distance vs. size)
4. Must have a title.
5. All objects must be labeled.
6. Rough draft must be approved before a student can start on the final draft.

Advanced options (to get a possible 7-8 on the IB rubric) must include at least **Two** of the following. The same requirements apply as above.

1. Moons around other planets
2. Asteroid Belt
3. Kuiper Belt
4. Oort Cloud
5. Dwarf Planets
6. Orbital paths
7. Comets
8. Rings around Jupiter, Uranus, and Neptune. (Saturn's rings are required)

Planetary Poster Rubric- 100 points Summative grade

Criterion A: Knowing & Understanding	i. outline of scientific knowledge	Criterion Made Simple
0	Doesn't meet any of the criteria below	Didn't turn in project.
1-2 = 50-60	i. select scientific knowledge	Consistently inaccurate dimensions and facts; poster indicates little effort.
3-4 = 65-75	i. recall scientific knowledge settings iii. apply information to make judgements	Occasionally incorrect spacing and dimensions of planets with inaccurate, vague or missing facts.
5-6 =80-90	i. state scientific knowledge	All planets with correct dimensions, and spacing, with 3 accurate, detailed facts.
7-8 =95-100	i. outline scientific knowledge	All planets with correct dimensions, and spacing, with 3 accurate, detailed facts; includes 2 extra celestial bodies with accurate detail.
OVERALL SCORE	Criterion A:	