

PROJECT 4 GRADING RUBRIC

Points will be assigned to each project according to the following rubric. Your score on the project will be the percentage of points you receive, out of the maximum possible number of points (excluding the bonus points).

Rotational Period of Home Planet

- 1 point for the correct value
- 1 point for explanation of how the value was determined

Orbital Period

- 1 point for the correct value for EACH planet
- 1 point for explanation of how the value was determined for EACH planet

Orbital Radius

- 1 point for the correct value for EACH planet
- 1 point for explanation of how the value was determined for EACH planet
- 1 point for an explanation of the distance unit used

Orbital Speed

- 1 point for the correct value for EACH planet
- 1 point for explanation of how you calculated orbital speeds
- 1 point for correct units

Diagram

- 1 point for locating the Sun
- 1 point for drawing EACH planetary orbit
- 1 point for correct size for EACH planetary orbit
- 1 point for indicating direction of motion for EACH planetary orbit
- 1 point for indicating a location consistent with Copernican principles for EACH planet
- 1 point for careful, neat drawing (note that if the drawing is very sloppy you may lose points on some of the items above because I won't be able to tell if you have done them correctly)

Description of Motions

- 1 point for description of the Sun's motion
- 1 point for description of EACH planet's motion

Discussion of Ordering

- 1 point for discussing other possible orderings
- 1 point for discussing relationship between distance from star and orbital speed

Grammar and Spelling (up to 5 points)

- 5 The paper is completely free of any errors in grammar or incorrect spelling.
- 3 There are a handful of grammar and spelling errors scattered throughout the paper.
- 1 The paper is filled with errors in spelling and grammar, to the extent that it is difficult to read.