

Planetary System Parts Scoring Rubric

Higher levels of performance



Wt.	Task	Best	Good	Needs improvement
20%	Teamwork	<p>I worked well with my partner and stay focused on our assignment.</p> <p>I gave constructive comments to my partner to help my partner improve his or her work.</p>	<p>I could be more productive with my partner.</p> <p>I could offer more-constructive comments to my partner to help my partner do a better job on the assignment.</p>	<p>I was not very productive working with my partner or was disruptive to other teams.</p> <p>I did not offer comments to help my partner do better work.</p>
25%	Step 3, comparing 2 planetary systems	I used a Venn diagram to show common features in planetary systems and to predict objects around other stars.	I only showed 1–2 features of planetary systems in a Venn diagram; or my prediction isn't clear for objects around other stars.	My Venn diagram is incomplete or has more than 1 feature that is misplaced.
20%	Step 4, comparing orbiting objects	I used a table and evidence to compare objects b, c, and d around HR 8799 with similar objects in our solar system.	I listed answers in a table, but I didn't give clear evidence to match HR 8799 objects with objects in our solar system.	I didn't give reasons for matching objects around HR 8799 with planets in our solar system.
30%	Step 5, energy forms for 2 objects	<p>I used the computer model to compare patterns of kinetic and potential energy for planetary objects.</p> <p>I explained which V_y of the planet matched the pendulum graphs of the Engage activity.</p>	<p>I used the computer model to compare patterns of kinetic and potential energy for planetary objects.</p> <p>My explanations didn't have clear evidence comparing a pendulum to the model runs.</p>	I used the computer model to compare patterns of kinetic and potential energy for objects. However, I didn't really describe how kinetic and potential energy changed. Also, I didn't connect these to the pendulum motion.
5%	Neatness	I did neat work and turned in a complete package; my teacher can easily see my answers.	My work could be more organized and neat so that my teacher can see answers.	My work is sloppy, and I didn't write very much.