

### Stellar Energy Rubric

Higher levels of performance



Wt.	Task	Best	Good	Needs improvement
15%	<b>Teamwork</b>	I worked well with my partner, and I made constructive comments to help my partner improve his or her work.	I could have been more productive working with my partner and offered comments to help our team do better work on the assignment.	I was not very productive working with my partner or was disruptive to other teams. I didn't help a classmate improve his or her work.
30%	<b>Step 2, solar radiation Intensity on Earth</b>	I developed an accurate data table and a graph of radiation intensity over Earth. The graph had clear labels, and I said why the question matched 1 of the stations.	I made a data table and a graph, but some data were incorrect or the labels on the graph were not clear. I only said which station the graph matched, but not why.	My table had errors, or my graph didn't clearly show the pattern of radiation over Earth. I did not explain why the station mapped to 1 of the stations.
30%	<b>Step 3, comparing starlight and sunlight</b>	I described whether the Sun or HR 8799 emits more energy, and I labeled the graph to show why.  I said where the energy peak was for each curve.  I explained, using the figure with factors, whether I could get a "sunburn" from HR 8799.	I described whether the Sun or HR 8799 emits more energy, but I didn't refer to the graph to explain why.  I described where the energy peak was for each curve.  I had the right answer about getting a sunburn from HR 8799, but I didn't use factors from the chapter as evidence for my thinking.	I didn't say which emits more energy, or my explanation did not relate to data in the graph.  I did not describe properly the position of the peak in energy.  I did not use factors from the chapter to explain whether I thought that I could get a sunburn from HR 8799.
10%	<b>Step 4, models</b>	I wrote about a model I used in the chapter and described how it helped me learn a concept.	I only wrote about a model and didn't say how it helped me learn science better.	I did not describe a model that I used in the chapter.
10%	<b>Step 5, weather reporter claim</b>	I critically evaluated a statement about Earth being far from the Sun in the winter, and I gave evidence.	I had an opinion about the claim, but I didn't use evidence to support my thinking.	I wasn't sure what I was supposed to analyze with the claim.
5%	<b>Neatness</b>	I did neat work and turned in a complete package of student work from the Evaluate activity.	My work could be more organized and neat so that my teacher can see my answers.	My work is sloppy, and I didn't write very much.