

ASTROEDU

Content Specialist Peer Review Form

Thank you very much for agreeing to referee a submitted activity for astroEDU!

We highly value your expertise and contribution.

Below we have asked some relatively direct questions to help you think through, and provide, your review.

Please add your comments, concerns, or suggestions in the righthand column.

If you have thoughts and concerns that do not fit into the pre-defined boxes, please provide these to us as well.

Does this activity fall within your area of expertise?

If it does, please continue. If it does not, please let us know and we will re-allocate the activity.

Be rigorous, Be pleasant, Be helpful, Be critical, Be realistic.

What were your first reactions to this activity?	
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	Comments, concerns, suggestions
Is there a convincing explanation given for why the learning goals are important or worthwhile?	

Are there concrete statements of how students will <i>demonstrate</i> their learning of the stated goal(s)?	
Does the scientific content seem <i>broadly</i> accurate.	
Reading through the activity, can you identify anywhere where the content is not explained in sufficient depth to fully grasp the concept?	
Reading through the activity, can you identify anywhere where it is possible that misconceptions about a particular phenomena may be generated?	
Keeping in mind the limitations of age group, state of student skill and conceptual development, does the methodology and mathematics in this activity represent what a scientist would use at this level?	
Keeping in mind potential limitations, does this activity model a process similar to that in authentic science?	
Is the process in the activity likely to help students in understanding scientific practices?	

Does the process in the activity help to build an identity as a scientist?	
Does the activity clearly state relevant and complete background information, written at an appropriate (non-expert) level?	
Is the activity well-written, using good visual aids when appropriate?	
Overall, is the activity high-quality, with accurate content?	

Are there links to the current state of this science area within this activity? If this references a historical scientific discovery, does the activity link to sufficient material to help the teacher illustrate its importance? Does the activity describe well why the scientific concepts, methods or knowledge are important contributions on a personal, social, global and/or scientific level?

How, if at all, would you improve, change or adapt the module to make it more scientifically valid and more expressive of the true nature of science?

Any other comments, concerns, or suggestions? (Use as much space as is needed)

Considering your responses to the above criteria and overall assessment of the activity, please check the appropriate box and explain the reasoning for your decision below

Do not accept activity.	This activity requires significant revisions before acceptance	Accept activity subject to minor revisions	Accept activity with no revisions

Reasoning behind decision:

Please feel free to share any feedback about this form and the referee process in general.

Thank you very much for your time and effort in helping share high-quality astronomy activities with the world!

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