

Human Orrery Bonus Activity

WHO:	all students in Rica's Spring 2017 classes
WHAT:	Human Orrery
WHEN:	3:15pm - 4:30pm on Wednesday, 08 Mar, and Thursday, 09 Mar (choose either day)
WHERE:	Oceanside campus, northeast side of clock tower
WHY:	it's really cool! ...and fun! (...okay, because you want to earn bonus points <sigh>)

- You may participate on both days if you like but you can only earn credit for one.
- You must be physically present during one of those times to participate and earn bonus points.
- You may earn up to 10 bonus points towards the "Homework" portion of your grade.
- This activity is optional. There is no penalty if you are unable to participate.
- **The activity is weather-permitting. If it's actually raining, don't show up; we can't do it. If the weather is questionable, come anyway because it might be a "game time" decision.**

Join us for a cool, fun activity where we make a scale model of the solar system orbits and then get to play in it! You'll have an opportunity to meet and interact with students from a variety of classes both on-ground and online! The more the merrier. Plus, the more we have, the less time the activity will take.

This is one of the best ways to get a feel for the true size and scale of our solar system. We most often get comments about this after the fact, about how people thought they got it but after doing this they realized their conceptualization was radically off and this really provided a perspective like nothing else. They are shocked at the size, scale, and amount of empty space "out there." It also shows Kepler's laws in action.

To prep, *watch the short video on the next page and **make sure to bring your own copy of the worksheet (included on a following page)***. The items will become available after you mark this item as "Done".

Hope to see you there!

Human Orrery: Demo Video

[Astronomy students at UBC create a human orrery \(9:12\)](#) ↗




This is what we'll be doing...only ours will be way cooler than this, lol!


The worksheet you need to bring will be available after you've watched this video and marked it "Done".

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Human Orrery: Worksheet + Supplementary Materials

- [Human Orrery worksheet](#) 
[You must bring your own copy of this to work on during the activity.](#)

- ["What Is An Orrery?"](#)  from Universe Today

- [To Scale: The Solar System \(7:07\)](#) 



Sadly, this has nothing to do with what we'll be doing. I just wanted you to see it because it's so freaking cool! Too bad we can't take our own field trip to do this ourselves. I think these guys might be my new heroes...

- [Making the Solar System \(3:25\)](#) 



Think the previous one was cool? See how they made it! Seriously...my new heroes.

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