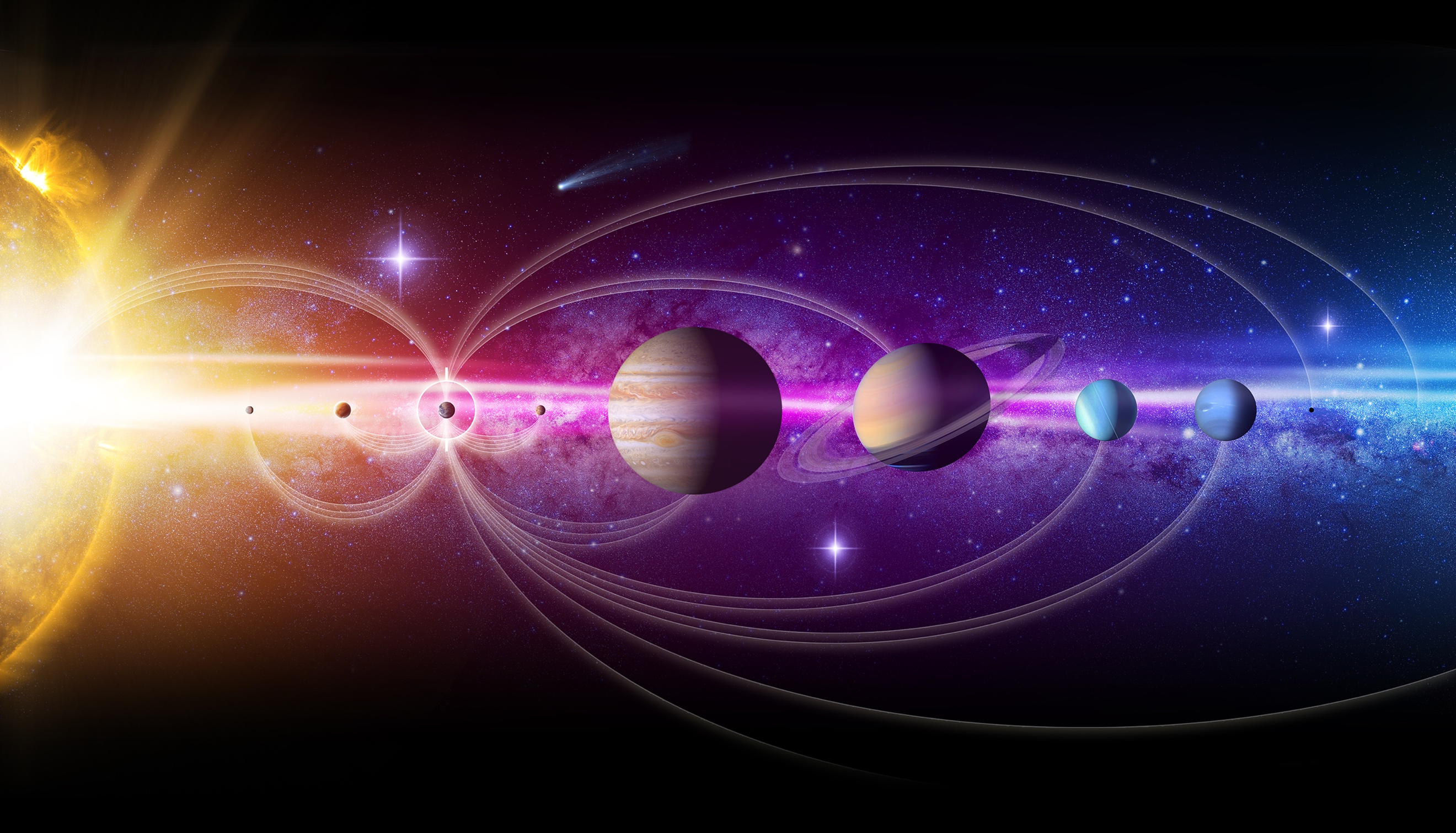
**Powerpoint Guide:**

* Every slide should have more visuals than words.
* You should not be reading anything off of your slides
* You cannot put fully solved problems on your slide. You may write questions or variables, but you must be able to solve it on the spot.
* You may not use any notecards during your presentation.
* No more than **three** slides

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| --- | --- | --- | --- | --- | --- |
| **Physics POL Rubric – Semester 2 – 2018** | | | | | |
| **ESK & Habit of Mind** | **Grading Expectations** | | | | **POL Grade** |
| 4 Check = 4 | 3 Checks = 3 | 2 Checks = 2 | 1 Checks = 1 |
| **Habit of Mind:**  Presentation Accountability | * Professional Dress, including shoes for the entirety of POLs * Uses resources in the room to enhance presentation (whiteboard, projector, visuals) * Utilizes time effectively during presentation (not too short/too long) * Productive, punctual and respectful member of POL audience and panel | | | |  |
| **Habit of Mind:** Presentation Quality | * Speaks clearly, towards the audience, with accurate pronunciation and presentation volume. * Makes eye contact and maintains a calm, present demeanor. * Body language is confident and professional. * Has a neatly organized, well-planned explanation that is easy to follow. | | | |  |
| **ESK 4.1/4.2**  **ESK 5**  **ESK 6.1/6.2** | |  |  |  |  | | --- | --- | --- | --- | | 4 | 3 | 2 | 1 | | * Presents complete thought process of evidence to explain understanding of ESK. * Can analyze mistakes and corrections, can answer prompted questions thoughtfully and thoroughly. * Can apply multiple representations to show understanding of ESK without prompting. * Presentation demonstrates a full and complete understanding of ESK | * Presents most of thought process of evidence to explain understanding of ESK. * Can analyze mistakes and corrections, can answer most prompted questions. * Can apply multiple representations to show understanding of ESK with some prompting. * Presentation demonstrates a partial understanding of ESK | * Presents some of the thought process of evidence to explain ESK. * Can analyze some mistakes and corrections, and can only answer some of prompted questions. * Can apply multiple representations to show understanding of ESK with a lot of prompting. * Presentation demonstrates a partial understanding of ESK | * Does not show thought process to explain ESK. * Cannot analyze mistakes and corrections, cannot answer most of the prompted questions. * Cannot apply multiple representations to show understanding of ESK. * Presentation demonstrates an incomplete or no understanding of ESK | | | | |  |
| Pass  No Pass |

**Honors Physics POL**

Extra Terrestrial Theme Park

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**Goal:** Take your theme park to another body within our solar system.

Design a ride that will let your park goers experience what gravity feels like on earth.

My park is going to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* I can explain why the gravity is different on my celestial object, and how that would affect projectile objects.
* I can calculate the speed, and distance at which a projectile object would move on my planet/moon.
* I can compare the annual orbit of the planet (around the sun)/moon (around the planet) to the orbit of Earth.
* I can use the concepts of circular motion to explain why my orbit would be larger or smaller that Earth’s.
* I can identify 3 big issues humans would have, when trying to live on this object. I can use evidence from *The Martian* to support my reasoning for my solutions to these problems.