

# IS IT HABITABLE?

## Project Rubric

**WELCOME:** (10 pts) Introduce us to the cosmic address of your planet. Where is your planet. How far away from Earth is it. What type of planet is it? What type of system is it? Binary Star? Use multiple means of explanation... units, relationships, etc....

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**ATMOSPHERE & O<sub>2</sub>:** (10 pts) what is the state of the atmosphere, how high does it go, how dense, what is in it, what color is the sky, can we breathe, is it toxic to carbon-based life forms. Evidence of life in the atmosphere?

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**MAGNETIC FIELD & RADIATION:**(10 pts) Is there a magnetic field? How strong is it? Can it stop solar radiation? Does it make an

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*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

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\_\_\_\_ points

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*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**RELATIONSHIP WITH STAR:** (10 pts) Goldilocks Zone, type of star, solar storm strengths, etc...

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**GRAVITY:** (10 pts) compare and contrast gravity compared to Earth. Gravity of star? Any black hole gravity nearby?

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**WATER RESOURCES:**(10 pts) yes, water is important.

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**IMAGERY:** (10 pts) Pictures, drawings, etc...

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_ points

**NO SPACE SUIT** (10 pts)

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_\_ points

**OTHER COOL STUFF** (10 pts)

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_\_ points

**PRESENTATION SKILLS** (10 pts)

**Perfection!!! Well Done**

*You will be awarded 8 - 10 pts.*

\_\_\_\_\_ points

**Not So Bad**

*You will be awarded 4 - 7 pts.*

\_\_\_\_\_ points

**Not so Good**

*You will be awarded 0 - 3 pts.*

\_\_\_\_\_ points

\_\_\_\_\_ **Total Points**