Learning Goals	Learning Activities	Assessment Activities
Foundational: Learners will discover principles and fundamentals regarding terrestrial planets. Learners will analyze how these details will be used to identify and solve habitability problems.	1. Research and review images, videos, and other online resources on terrestrial planets. 2. Review the requirements for life on any planet.	Have learners create a Venn diagram of the benefits and drawbacks of each planet.
Application: Learners will analyze and evaluate the impact of planetary models and conditions on habitability.	1. Collaborate with classmates as they Discuss and compare which planets were habitable or could be habitable now. 2. Discuss the impact of gravitational forces, magnetic field, and the dynamo effect on a planet.	1. Blog post 2. Create a comparison chart regarding size, surface, composition, and atmosphere of the terrestrial planets.
Integration: Learners will illustrate how their knowledge of the terrestrial planets combined with prior learning experiences will inform their future activities regarding planetary care and exploration.	1. Research, review, and discuss the need for planetary care of Earth. 2. Discuss how the fundamental knowledge of terrestrial planets applies to this solar system and ones outside of our solar system.	1. Blog post 2. Using the Goldilocks Zone equations determine the habitable zone of our solar system.
Human Dimension/Caring: Learners evaluate the beneficial impact positive interest in astronomy can have on their present and future world.	3. Working in groups students should endeavor to apply the consequences of runaway planetary effects to our planet 4. Research and review images, videos, and other online resources on planetary conservation.	1. Blog post 2. Students will work in groups on understanding one conservation effort/program and share their findings with other groups in the class.
Learning-How-to-Learn: Learners will locate and evaluate outside resources to enhance in-class learning as well as continue future learning.	1. Research and review various materials that describe the self paced learning environment and learning styles. 2. Analyze the students' probability of learning in the various environments based on motivation. 3. Discuss and compare the drawbacks and benefits of the student lead learning.	1. Have learners create a Venn diagram of the benefits and drawbacks of self paced learning. 2. Working in small groups students will create methods to avoid drawbacks of the self-paced learning environment. 3. Learners will self assess their learning styles