

Midterm Assignment

For the final presentation I will be exploring Astrobiology using the AstroBioBound activity. Students will explore the necessary factors needed for life (as it is known on earth) and will design a mission to look for life on other worlds in this Solar System. Students will be given a budget and will need to justify the decisions, such as which equipment will they bring, what are they looking for, what type of mission (lander or orbiter). Students will be assessed using the included worksheets for the activity as well as their ability to defend their decisions. This will be assessed by having students present their mission to the class.

For the 40 additional points I will design an Astronomy Unit plan in which students will look for exoplanets. Students will use Newton's and Kepler's laws to determine the distance between the planets and their stars. The culminating activity will be to determine the size and mass of a black hole at the center of a galaxy.