Science Planning

**Unit 1: Structure and Motion Within the Solar System (6-8 weeks)**

**Week 9 Big Idea: Planets differ from one another because of their individual properties.**

Week 9.5 – 11/4 – 11/8

11/5 - YWBAT use computational thinking to analyze data and determine the scale and properties of objects in the solar system.

Success is: noticing relationships between criteria and developing and supporting a claim about that relationship

Phenomena: Planets differ from one another because of their individual properties.

* As a class, we look at data and develop a claim supported by evidence.
	+ Pull up graph on simulator that compares distance and velocity
	+ Claim: the greater the distance from the sun, the greater the velocity of the planet
* In groups, students will analyze and interpret the data on posters around the room, developing claims backed by evidence and write them on the poster.
	+ Contributions must be different claims OR additional evidence for an existing claim.
* The last group at each poster will summarize the class’s findings and present.

11/6 - YWBAT use computational thinking to analyze data and determine the scale and properties of objects in the solar system.

Success is: demonstrating mastery on the assessment.

Phenomena: Planets differ from one another because of their individual properties.

* Assessment