

Task 3, Elaborate

With your group, use **mathematics and computational thinking** to calculate the rate at which the rock falls on different planets.

Show your math for at least one rate. You may use mental math for the rest of the rates, if you choose.

Body	Rate Rock Falls (m/s)
Earth	
Mercury	
Venus	
Mars	
Jupiter	
Saturn	
Uranus	
Neptune	
Pluto	
Moon	
Sun	

Engaging in Arguments From Evidence: Adding the mass of each planet makes our solar system model more useful in planning the best route for the new telescope. Individually, construct an argument explaining why this information improves your model. Use the data above and any of the *Explore* models to back up your argument.
