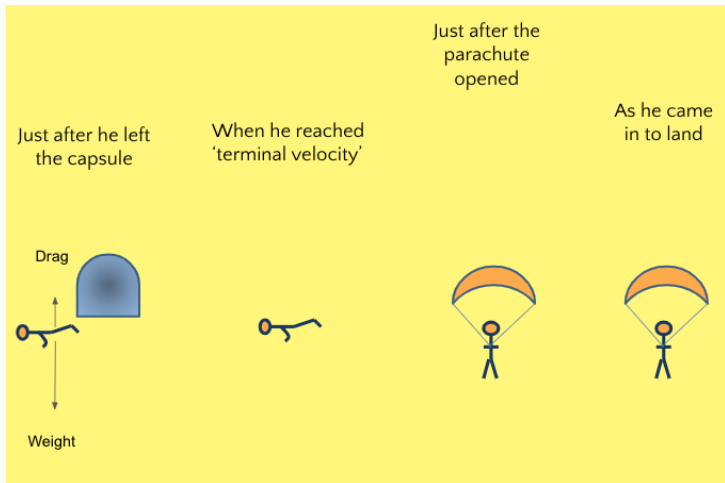


Gravity

KO: <https://docs.google.com/presentation/d/1hJjQ2mfzVVj9Ov314m8gOQkzt54iTmLNrD6Ey-r3ug/edit#slide=id.p>
 Core questions: <https://docs.google.com/document/d/1hjRk7cFzbXm20xuKnVII3fbJVDsYI8nMQFyC3gMSd1A/edit>
 Quizlet: <https://quizlet.com/gb/266141050/mb-y7-contact-forces-gravity-flash-cards/>

Learn:

Lessons	Questions / tasks to do	Answers				
Gravity https://www.youtube.com/watch?v=aVy_gNVaCGg	Describe what gravity is					
	State the two factors that affect gravity.					
	List the rules for drawing force diagrams (slide 10)					
	Watch the video and define terminal velocity					
	Watch the video of Felix Baumgartner's record breaking skydive and then complete the force diagrams for the stages of is descent					
	Complete exam questions					
Mass and weight https://www.youtube.com/watch?v=1whMAIGNq7E	Give the word equation for calculating weight.					
	State the strength of gravity on the Earth and moon.					
	Watch the video and Explain the difference between mass and weight.					
	Complete exam questions					
	Quiz					
Gravity on other planets	Complete the table	<table><tr><td>Object</td><td>Mass in kg</td><td>Gravitational</td><td>Weight in</td></tr></table>	Object	Mass in kg	Gravitational	Weight in
Object	Mass in kg	Gravitational	Weight in			

				field strength in N/kg	Newtons
		Heavy school bag on Earth	5	10	
		School desk on the moon	25	1.5	
		iPhone 6 on Jupiter (really bad signal!)	0.13	25	
		A horse on Mars	450	3.8	
		Male astronaut in deep space	80	0	
		A Mini cooper on Venus	1250	8.8	
	Explain why an astronaut can jump higher on the moon than on the earth.				
	Complete exam questions				
Gravity and orbits	Give the order of the planets. Come up with a memorable way to remember them.				
	Produce a fact file for each planet in our solar system. Each file should contain 5 facts about that planet.				
	State why planets orbit the sun.				
	State the orbital time for the earth.				

Summarise and check:

Seneca assignment	Click the link in google classroom to make sure you are signed in correctly
Gravity Quiz:	https://docs.google.com/forms/d/e/1FAIpQLSe6rfzg4hP-p-lmTeT56O1RUz36jdA-RWuFnPur2RHrz7t7iw/viewform?usp=sf_link

Extend:

Links to any other material that might be of interest relevant to this topic:

<https://www.youtube.com/watch?v=E43-CfukEgs>