

Y8 Physics	8L Earth and Space Learning Checklist	I can do this already	Covered in Class	Strength or weakness?	Revised it?
8L1 Gathering the Evidence	<b>Developing:</b> Describe the positions and movements of the Earth, Moon and planets.				
	<b>Securing:</b> Describe some ways of investigating the Solar System.				
	<b>Securing:</b> Compare different models of the Solar System, and explain why we use our current model.				
	<b>Exceeding:</b> Use a model to explain why we see phases of the Moon.				
8L2 Seasons	<b>Developing:</b> Describe differences in the seasons.				
	<b>Securing:</b> Use a model to explain the differences in the seasons.				
	<b>Exceeding:</b> Explain the effect of the Earth's tilt on the energy received from the Sun.				
8L3 Magnetic Earth	<b>Developing:</b> Recall the shape and direction of the magnetic field of a bar magnet.				
	<b>Securing:</b> Use a plotting compass to show the shape and direction of a magnetic field.				
	<b>Securing:</b> Explain how to arrange two magnets so that they attract or repel each other.				
	<b>Exceeding:</b> Describe the Earth's magnetic field and explain why a compass needle points north.				
8L4 Gravity in Space	<b>Developing:</b> Recall the direction in which gravity acts and the factors that affect it.				
	<b>Securing:</b> Explain why the weight of an object changes if taken to the Moon but not its mass.				
	<b>Securing:</b> Recall that planets and natural satellites are kept in orbit by gravity.				
	<b>Securing:</b> Describe how mass and distance affect the strength of gravity.				
8L5 Beyond the Solar	<b>Exceeding:</b> Use gravitational field strength to calculate weight.				
8L6 Studying Space	<b>Developing:</b> Make comparisons using ratios and percentages.				
	<b>Developing:</b> Explain what these words mean: Sun, star, galaxy, Universe, constellation.				
	<b>Securing:</b> Calculate paybacl times				
	<b>Exceeding:</b> Compare the relative sizes and distances of objects in space.				

**For more help:**

Read your 8L Summary Sheets for information on key points from the lesson.

Email your class teacher: (firstinitial)(lastname)@ndhs.org.uk *E.G. sfrise@ndhs.org.uk*

Look up your topic up on BBC bitesize by typing 'BBC Bitesize +keyword' into google.

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