



## Year 9 Science Revision checklist



Earth and Space	✓
Learning Outcomes 1-10	
Learning Outcomes 11-29	
Learning Outcomes 20-26	

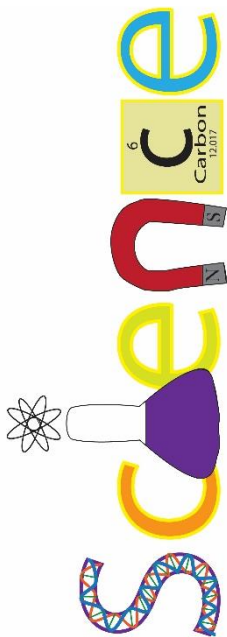
Chemical Character	✓
Learning Outcomes 1-10	
Learning Outcomes 11-18	
Learning Outcomes 19-28	

Heat Transfer	✓
Learning Outcomes 1-7	
Learning Outcomes 8-14	
Learning Outcomes 15-19	

Air and Burning	✓
Learning Outcomes 1-11	
Learning Outcomes 12-23	
Learning Outcomes 24-29	
Learning Outcomes 30-40	

Gas Exchange and Respiration	✓
Learning Outcomes 1-9	
Learning Outcomes 10-22	

Photosynthesis	✓
Learning Outcomes 1-16	



### Preparing for your exam

Make sure you bring to your exam;

- 2 Pens
- Pencil
- Ruler
- Rubber
- Calculator
- Protractor

Scan the QR code to download  
the Revision Aid from the VLE



Topic 1: Earth and Space	
Learning Objective	Answer / Location of answer in Year 9 Pupil Booklet 1.
1. List the contents of our Universe.	The universe is a term used to describe everything that exists and contains galaxies, stars, planets, asteroids and comets.
2. Define the terms Universe, Galaxy, star, planet, asteroid and comet.	See page 3 of your booklet
3. State the name and shape of our Galaxy.	Our Galaxy is a Spiral universe.
4. Sketch the approximate position of our Sun within our Galaxy.	See Page 4 of your booklet.
5. Explain what a constellation is and give 2 examples.	A constellation is a group of stars. For example, "Orion" and "the Big Dipper"
6. List the contents of a Solar System	Solar systems contain a Star, Planets and their moons, Asteroids and Comets
7. List the 8 planets in our Solar System in order from the Sun.	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.
8. Explain why Pluto was downgraded to dwarf planet status.	Its orbit is elliptical and has not cleared its orbit of other objects because it crosses the orbit of Neptune.
9. State the angle at which the Earth's axis is tilted.	The earth's axis is tilted at 23.5°
10. Define what a day is for a planet.	This is the time taken for a planet to rotate on its axis once.
11. State how long an Earth-Day is.	24 hours
12. Mark day and night on a diagram of the Earth	See page 6 of your booklet
13. Label the Northern and	