

Year 11 Physics Learning Outcomes

Unit 7: Electromagnetism

- Explain how magnets work.
- Explain how and why we use electromagnets.
- Evaluate various devices that use electromagnets.
- Describe magnetic flux and how this relates to a motor.
- Use Fleming's left hand rule.
- Explain the generator effect and ways to influence it.
- Explain how an AC generator produces an induced potential difference.
- Explain how a transformer works.

Unit 8: Space

- Explain the formation of the solar system that led to us being here.
- Discuss the link between features of a star and the fate of the star.
- Explain how and why satellites orbit the Earth.
- Explain the evidence for an expanding Universe.
- Explain how the Universe began and evidence for the Big Bang Theory.