



WAGIN DISTRICT HIGH SCHOOL

SEMESTER 2, 2025 OUTLINE

Year 7 - Science

COURSE OUTLINE

During the second semester we will look into environmental science and Biology. In term 3 we will focus on organisms' habitats and interactions, where we will investigate organisms living places, food chains and food webs and impacts on the ecosystem and industries. We will then move onto to Animal classification and kingdoms. In Term 4 we will move on to Physical Science and Earth Science. Students will explore forces, space, the solar system and earth. All modules will be reported on with one or more of the following assessment types: lab exam, assignment investigation and test. In addition, students will spend time looking at the development of these scientific areas over time and how changes in science have influenced our understandings. Investigative skills will also be developed using the scientific inquiry process.

COURSE OUTCOMES

The following concepts form the Science Understanding strand of the Western Australian Curriculum will be addressed:

Students will also look at the Science as a Human Endeavour strand of the Western Australian Curriculum by addressing the following:

Nature and Development of Science

- Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available (ACSHE134)
- Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures (ACSHE226)

Biological Sciences

- Interactions between organisms, including the effects of human activities can be represented by food chains and food webs ([ACSSU112](#))
- Classification helps organise the diverse group of organisms ([ACSSU111](#))

Physical Sciences

Change to an object's motion is caused by unbalanced forces, including Earth's gravitational attraction, acting on the object ([ACSSU117](#))

Earth and Space Sciences

- Predictable phenomena on Earth, including seasons and eclipses, are caused by the relative positions of the sun, Earth and the moon ([ACSSU115](#))

The Science Inquiry Skills strand of the Western Australian Curriculum will also be covered through the use of investigation and experimentation.

TASKS & ASSESSMENT

Students will generally undertake work in blocks of 5 weeks. During this time, they will be expected to complete all required class work and homework, and this will then be assessed in an end of unit test. Students may also be asked to complete quizzes, assignments, lab exams and/or investigations to help develop their understanding of the concepts covered. *While the key content will be taught at school, it is essential that students revise at home on a regular basis to help practice new skills and solidify their understanding.*

Homework will count 10 % towards student's overall grade.

All work samples will then be used to determine the ability and grade of each student.

TIMELINE

	WEEK	KEY CONCEPTS	ASSESSMENTS
Term 3	1 – 5	<p><i>Habitats and interactions</i></p> <ul style="list-style-type: none"> • Living places • Food chains and food webs • Impacts on ecosystems • Effects on industry 	<p>Asssignment Investigation (10%) Test(10%)</p>
	6 – 10	<p><i>Classification</i></p> <ul style="list-style-type: none"> • Using Classification • Animal Kingdom • Other Kingdoms • Classification systems 	<p>Lab/Experimental Exam(15%) Test (10%)</p>
Term 4	1 – 5	<p><i>Forces</i></p> <ul style="list-style-type: none"> • What are forces? • Friction-a contact force • Gravity- a non-contact force • Magnetic and electric Fields • Simple Machines 	<p>Asssignment Investigation (10%) Test(10%)</p>
	6 – 10	<p><i>Earth in space</i></p> <ul style="list-style-type: none"> • The night sky • Discovering the solar system • Gravity and orbits • Earth 	<p>Lab/Experimental Exam(15%) Test (10%)</p>

Timeline and assessment items may be subject to change