



**Newton Moore Senior High School**  
**Science**  
**Year 9 Wetlands**  
**Semester 1 or 2**  
**2016**



## Course Description

### Biological Sciences

Students will learn that multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes in the environment. Students will also learn that ecosystems consist of communities of interdependent organisms and abiotic components of the environment. Students will examine how matter and energy flow energy flow through these systems.

Students have the opportunity to achieve the following outcomes: To describe and understand what a wetland ecosystem is and know the importance of wetlands in the world's environment. To be able to assess the condition of a wetland. Actively participate in the rehabilitation of a wetland in the local area by maintaining a healthy condition of a wetland and in so doing, develop a positive attitude towards the environment. Become familiar with the Scientific Method in researching, collecting and analysing data for the ongoing monitoring of the rehabilitation of a wetland. Appreciate and recognise the importance of the biodiversity of life supported by wetlands. Become familiar with the importance of flora and fauna associated with a wetland ecosystem. Relate the importance of the wetlands to the Noongar culture.

### Course Outline

Week	Content
1	Intro-Wetlands Portfolio Set up
	Wetlands Tour
2	Management Plan
	Water Quality
3	Macro-count
	Frog Traps
4	Wetlands Maintenance
5	Wetlands
6	Assignment 1- Investigating a native frog species.
7	Frog Traps
8	Theory Water Testing
	Water Testing
9	Wetlands Portfolio-Organisation of Intro and entries for maintenance
	Wetlands Maintenance
10	Macro Count
	Maintenance
11	Frog Traps
12	Assignment 2: Weed assignment
13	Weed Assignment

14	Wetlands Maintenance
15	Weed Assignment
16	Wetlands Portfolio
17	Frog Traps
18	Wetlands Maintenance
	Wetlands File finalisation
19	Wetlands Maintenance
20	Macro Count

This course outline may be subject to change, any changes will be communicated to students.

## Assessment Outline

Assessment Task	Outcome	Date Due	Student score	Max Score	% Weight
Task 1 Research Assignment – Investigating a native frog species.	Biological Sciences	Week 7		100	25
Task 2 Weed Assignment: Herbarium and catalogue of Wetland weeds	Biological Sciences	Week 15		100	25
Task 3 Wetlands Portfolio	Biological Sciences	Week 19		100	50
Total					100

The above weightings are intended to show the importance of each task. The allocation of a grade at the end of a semester is determined based on grade related descriptors issued by School Curriculum and Standards Authority.