BARCALDINE PREP-12 STATE SCHOOL

Established 1886

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Year 7

Semester 2 Overview

Below is an overview of what students will be learning in Semester 2 that aligns with the Australian Curriculum requirements along with the assessment tasks they will be required to complete:

Learning Area and Unit Overview	*Assessment Instrument and Conditions*	*Start Date*	*Draft Date*	*Due Date*	*Teacher*
Digital Technologies – Unit 1 – Get serious about games	Portfolio – Coding	23/07/2020	*11/09/2020*	12/11/2020	*Mr Greyling*
Visual Art – Personal Maps Students will explore social, ethical, environmental and/or economic themes and concepts in Visual Arts. Throughout the unit, students focus on one theme as a class and develop a body of work in making and responding to explore the theme from a variety of conceptual viewpoints.	***Assignment – Collection of Work*** Students explore representations of ideas and concepts related to the theme of personal map making. Continuous work throughout the semester	29/07/2020 (Term 1)	*ongoing*	27/11/2020 (Term 2)	*Ms Sheather*
Maths – Algebra and Chance To model and solve linear representations, construct sample spaces and assign probabilities.	***Monitoring Exam*** Students will solve algebraic equations.	04/07/2020		05/07/2020	*Ms Sheather*
	Examination Model and solve linear representations, construct sample spaces and assign probabilities. Split into Part A and Part B.	PART A: 19/08/2020		PART B: 11/09/2020	
Maths - Applying Data & Geometry Concepts Students with represent data using a range of graphs. Calculate mean, median, mode and range; compare, describe and interpret data. Students will develop geometry conventions and angle relationships, explore transversals and angles associated with parallel lines and find unknown angles using angle relationships. Students will describe and create translations, reflections and rotations on the Cartesian plane.	***Examination*** To calculate measures of centre and spread to make decisions, apply parallel-angle relationships and represent transformations.	25/11/2020		25/11/2020	
Science – Heavenly Bodies Students understand the relative positions of Earth, the Moon and the Sun in space. They describe the rotations and orbits of Earth and the Moon relative to the Sun. Students will identify how the positions cause different predictable	***Examination*** Students explain phenomena experienced on Earth due to the relative positions of Earth, the moon and the sun using scientific language and appropriate	13/08/2020		13/08/2020	*Mr Greyling & Mr He*

phenomena such as eclipses, tides, phases of the Moon and solar activities.	representations.				
Science – Sensational Seasons Students explore the relationship between the tilt of Earth on its axis, its rotation and revolution around the Sun, and seasons. They will examine data about weather and climate from different sources. Students will understand that plants, animals and humans change their behaviours, appearances and activities in response to seasonal changes.	***Report*** Students represent scientific information, describe how the tilt of Earth and the position of the Sun affect seasons and relate the tilt of Earth to seasons.	02/09/2020	*Ongoing*	10/09/2020	
Science – Organising Organisms Students classify organisms based on their physical characteristics. They apply scientific conventions to construct and use dichotomous keys to assist and describe classification. They explore feeding relationships between organisms in an environment using food chains and food webs, and construct representations of these relationships using second-hand data.	***Examination*** Students will classify and organise diverse organisms by using dichotomous keys and use evidence to construct a dichotomous key by using scientific conventions.	29/10/2020		29/10/2020	
Science – Sensational Seasons Students investigate how a range of environmental changes and human activities can impact food webs in different ecosystems. They examine how a range of human activities can impact on marine environments and explore the work of scientists and other occupations working in Antarctica.	***Examination*** Students construct food webs, predict the effects of human and environmental changes on interactions between organisms and describe how scientific knowledge has been used to address issues associated with invasive species.	19/11/2020		19/11/2020	

We look forward to working collaboratively with you to help your child achieve success this semester. One of the keys to this success is through communication so we encourage you to contact your child's Learning Area teacher if you have any concerns or to touch-base with how your child is progressing. Should you wish to speak to any of the teachers listed above please phone the school office on 07 46515 333 to make an appointment.

Yours sincerely

Mr Jeff He
Year 7 Roll Group Teacher

Miss Jaymie Morris
Year 7 Roll Group Teacher