



YEAR 9 NEWSLETTER



Term 3 - Week 3

Friday, 29th July 2022

MATHS

This term, the Year 9's are studying linear equations and linear relations. This includes algebra (solving and simplifying), formulas and inequalities. Students will explore linear lines and graphing including intercept, finding the gradient and midpoint. The term will conclude with a recap of probability looking at concepts such as Venn diagrams and tree diagrams. Students will sit a SAC assessment to demonstrate their understanding of mathematical concepts. All classes receive homework set on Education Perfect.



ENGLISH

This term, students in Year 9 will identify comparative elements in a text. They will distinguish the key ideas and name the similarities and differences between two text types, including articles, stories, videos, excerpts, and movies. Students will identify comparative language in essays and excerpts, and use comparative language to transition from one idea to another in their writing. They will analyse the different texts to locate information about characters, setting, themes and author's intent. Students will create Venn diagrams and tables to compare and contrast aspects of the texts and write short responses comparing and contrasting the major themes, characters and setting. They will compare the movie 'Freedom Writers' to excerpts from Anne Frank's Diaries. They will study the film and annotate the excerpts to demonstrate their understanding, make connections between characters and compare the major themes that they both have in common. Students will use evidence from both sources to construct an effective, correctly structured comparative essay for their main assessment this term.

HEALTH

This term, Year 9 students are learning about Drug Education. They will identify drug classifications and the dangers and legalities associated with cannabis and illicit drugs. Dangers of prescription and non-prescription drugs will also be explored. Effects on family, community and the health system will also be explored, as well as support networks available to teenagers. Students will be required to complete and submit an assessment investigating the dangers and legal ramifications associated with illicit drugs.

IMPORTANT DATES

- 2nd August – Year 9 Interschool Basketball
- 2nd August – Year 9 Interschool Table Tennis
- 3rd August – Australian Maths Competition
- 20th/21st October – Wyndham Tech Excursion
- 14th November – Melbourne City Year 9 Camp



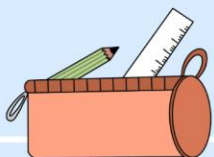


SCIENCE

During this term, our focus will be on **atoms**. Students will learn that atoms are made of very small subatomic particles called protons, neutrons, and electrons. They will compare and contrast the masses and charges of these subatomic particles. Students will learn how to fill in electron shells and write the electronic configuration for a particular atom. They will discover the many different scientists who contributed to the current knowledge and understanding of atomic structure. They will conclude the term by learning about different **ecosystems**. Humans can have a dynamic impact on the effectiveness and health of ecosystems, but humans are just one species of consumer. Thousands of other consumers hunt for prey, compete for resources, and rely on specific characteristics of their habitats, such as temperature, oxygen levels and water, for survival. This unit of work examines the relationships between the biotic and abiotic components within ecosystems and the many different forms of interactions between organisms. Students will also explore how populations change in size and the environmental changes that can occur within ecosystems.

GROWTH

This Term, students are exploring the statement: "We celebrate diversity and belonging within our community and embrace a sense of gratitude and empathy through action, lived experience and connection to others." Students will identify and explain different types of diversity within our school and wider community. Students will investigate what it looks like to live in a peaceful environment and how individuals contribute to a peaceful and safe society for all.



DESIGN AND TECHNOLOGY

Our class has been working on engineering fundamentals as the basis of understanding underlying principles and the building blocks that operate in simple mechanical and electronic devices. It is designed to introduce students to existing and emerging technological principles and advances. We are using Arduino processors and coaching them to control various devices. On completion of this elective, the student should be able to describe and use basic engineering concepts, principles, and components to assemble a basic mechanical or an electro-mechanical system. Our introduction was to build and program a basic Snake game using the Arduino.

CAREERS

This term in Careers, we are focussing on the transition process for Year 10. Depending on what school your child will be attending in 2023, the process varies, however most schools will expect their enrolment documentation to be completed in August. Please refer to your child's future school website to ensure that you are completing all documentation, including subject selection by the required date. This is an exciting time for our Year 9 cohort as they begin to make plans for their final years of senior schooling.



HIGH ACHIEVERS PROGRAM (HAP)

HAP ENGLISH

In 9HAP English, students are undertaking a unit focused on Comparative writing; comparing and contrasting the film “Hidden Figures” with the poem “All One Race” by Oodgeroo Noonuccal. Students are exploring the background and context of each piece; examining the influence this has had upon each text. Evaluating different perspectives on an issue, students substantiate claims with evidence, while analysing and explaining the impact of language choice. Students will compare and contrast author motivations, the impact of themes on an audience, and explain differing interpretations, applying their knowledge and understandings by responding to the two texts in a final comparative essay.



HAP MATHS

This term, the Year 9 HAP class is exploring linear relations and linear equations. Students will solve inequalities and graph linear relations. They will find the midpoint and length of a line segment. Students will solve simultaneous linear equations using substitutions and elimination. Students will then be introduced to quadratic equations and how to graph a parabola. Near the end of the term, students will sit a SAC assessment to demonstrate their understanding of mathematical concepts. The class receives homework set on Education Perfect.

IMPORTANT DATES

- 29th August – ACMI HAP English Excursion