## INTEGRATED INQUIRY - Science and Discovery

**Chemical & Physical Sciences**

How have scientific discoveries helped us to understand the world around us?

Term 2 is all about getting hands on with 'real' science equipment to complete scientific investigations exploring the following questions:

- What is electricity and where does it come from?
- How does an electric circuit work?
- How can we use an electrical circuit to make light, movement and sound?
- In what ways does matter change and what are the properties of these? (temperature, dissolve, mix)
- What is a physical and chemical change?

Throughout the Term students will be encouraged to make links with how scientific discoveries have made an impact on their everyday lives.

## RELIGIOUS EDUCATION

**Be Compassionate, Choose Justice.**

In this unit students will look at Jesus Christ as a model of how to live a just and compassionate life. They will examine The Beatitudes and The Ten Commandments which express how to live in right relationship with one another and with God.

Students will develop the understanding that each person is unique and has dignity and rights regardless of race, gender or religion and that prejudice is displayed through discrimination.

## MATHEMATICS

The following areas of Mathematics will be the main focus in Term 2:

- **Length/Perimeter/Area**: Choosing appropriate units of measurement for length, calculate the perimeter and area of rectangles, convert between common metric units of length.
- **Chance**: Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies. Describe probabilities using fractions, decimals and percentages.
- **Multiplication and Division**: Further develop strategies to solve multiplication and division problems.
- **Location**: Use a grid reference system to describe locations, describe routes using landmarks and directional language.

## ENGLISH

In Literacy this term, students will continue using their writer's notebook to write a variety of genres. The focus will be on students independently following the writing process including planning, drafting, editing and drafting. Students will also participate in small teacher led groups with a focus on different writing skills.

In Reading, students will begin 'literature circles'. They will work in small groups with each group reading a different novel. Each week students will be required to read designated pages of their novel and then complete a task. At the end of the week students will meet with their groups and discuss what they have read.
## CURRICULUM OVERVIEW TERM 2, 2016

**SENIORS**

**Teachers:** Bek Iezzi and Rachel Devine

### VISUAL ART

To support the Seniors' term 2 inquiry unit, "How have scientific discoveries helped us change the world around us?" students will look at how art has benefited from scientific discoveries/inventions. Students will learn such things as how the invention of the paint tube helped the breakthroughs of famous painters (e.g. Monet and Renoir).

Students will explore different forms of painting such as **Fresco** (technique of mural painting executed upon freshly laid or wet lime plaster e.g. Michelangelo's Sistine Chapel and **Fresco Secco**, or "dry" fresco, a technique that applies pigment to a dry plaster surface (used by artist Leonardo da Vinci - The Last Supper). Students will make their own **Fresco Secco**. They will mix 'Plaster of Paris', observing the chemical reaction that occurs as the plaster hardens, and create a support surface for art. Students will apply design elements and principles including line, form, and colour as they create a **Fresco Secco** painting. Students will learn about art preservation and understand the importance of preserving art as a description of culture for future times.

### ITALIAN

Students begin to understand and use Italian within the world of their own experience and imagination. They understand that Australian way of life and culture are influenced by Italian ways of life. Students begin to understand and use Italian within the world of their own experience and imagination:

- Greetings
- Prayer: Ave Maria
- Pen pal letter writing

### PHYSICAL EDUCATION

In Physical Education classes students will participate in a variety of minor and major games that focus on the combining and refining of fundamental motor skills and improving health. Students will learn about the importance of being fit, the health related fitness components that relate to specific games and tactics that enhance performance. Sports such as hockey, lacrosse and basketball will be used as vehicles to facilitate this skill set enhancement in Term 1.

### LIBRARY

During the fortnightly Library sessions, students will continue to have the opportunity to explore and borrow a variety of texts in order to develop a love of books, reading and libraries. Students will be exposed to books written and illustrated by a range of authors. They will learn about authors writing and illustrating styles and discuss the special features of each book. Students will be encouraged to borrow a variety of texts suited to their ability, for the purpose of enjoyment, interest and for researching classroom topics. Please remember that named library bags are a compulsory item for all students to help protect library books from damage and to help the student keep track of their books.

### ICT FOCUS

Beginning with an iMovie Workshop on **Wednesday 4th May** and throughout the term the students will be developing the following skills:

1. Recording raw footage and taking photos
2. Basic editing techniques (splitting, trimming, deleting)
3. Navigating around iMovie - icons, tools and functionality
4. Creating a basic movie - adding media files, text, transitions, effects and sound effects
5. Exporting completed product for viewing and/uploading

Students will continue to use their blogs as an online learning journal for reflecting on and sharing their learning. In Term 2, students will export items created with iPad apps and online tools and upload them to their blogs.