### Year 4

#### Mathematics

**Number and Algebra** – students will develop skills and understanding in the following areas:
- Place value of numbers to four decimal places.
- Using properties of odd and even numbers to evaluate answers.
- Estimation and rounding numbers to 10 and 100.
- Various strategies for the addition of two and three digit numbers with trading.
- Various strategies for the subtraction of two and three digit numbers with trading.
- Strategies for recalling multiplication facts and corresponding division facts.
- Using multiplication to write and solve problems.
- Predicting the continuing terms in number patterns.

**Measurement and Geometry** – students will develop skills and understanding in the following areas:
- Estimating and measuring length using centimetres.
- Converting metres to centimetres.
- Calculating the area of shapes using square centimetres.
- Comparing area and perimeter.
- Recording and comparing times using digital, analog and am/pm.
- Identifying, describing and making 3D objects.
- Comparing prisms and pyramids.
- Symmetry in 2D shapes.
- Identifying the attributes of polygons and using these to draw 2D shapes.

#### Term 1

##### English

**Reading** – A variety of reading activities and skill development including a close study of the award winning book, *Fire* (by Jackie French) and modelled reading of the class novel *Bungawitta* (by Emily Rodda). Students will have the following experiences:
- Modelled, guided, small group, whole class and independent reading of a wide variety of fiction and non-fiction texts including examples of spoken texts, print texts, visual texts, media, multimedia and digital texts.
- Learning and utilizing a range of comprehension strategies.
- Vocabulary development.

**Writing** – students will have the following experiences:
- Modelled, guided, small group and independent writing of imaginative, informative and persuasive texts.
- Proofreading and editing of their writing.
- Using word processing to publish their writing.
- Developing their cursive handwriting style.
- Develop their typing skills using the program Typing Tournament.

**Spelling** – students will develop their spelling and vocabulary skills through a

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#### Science and Technology

**Melting Moments (Primary Connections) Chemical Science**

Every day we see or use things that have been melted or frozen, heated or cooled. All around us are items that we find both useful and attractive that have been moulded into different shapes using heating and cooling. The students will be conducting a range of investigations using heating and cooling to determine how a change of state between a solid and liquid can be caused.

**HSIE**

*Why did the great journeys of exploration occur?*

During the fifteenth and sixteenth centuries there was a great outbreak of exploration from Europe to unknown areas of the world. Students will explore the following concepts:
- Why did this happen?
- What was it like to be an explorer then, going into the unknown?
- What were they looking for?
- Using location language to identify the position of objects.
- Using compass points to describe directions.

**Chance and Data** – students will develop skills and understanding in the following areas:
- Interpreting and constructing column graphs
- Interpreting and drawing picture graphs with a 1:1 scale
- Collecting data and organising it using an appropriate method

| using a variety of strategies and activities including THRASS. | **Language** – students will develop their language skills through a variety of strategies and activities. Grammar and punctuation content will focus on the language features:
- Nouns (common, proper, collective, possessive)
- Verbs (action, saying, thinking, tense, subject and object)

**Listening and Speaking** - students will engage in a variety of planned and unplanned listening and speaking tasks that link to this term’s study in all KLAs. |

**Visual Art**
Students will research the explorer Christopher Columbus and discuss the impacts that his explorations and discoveries had on the new and old world. Next they will embark upon their own research of an explorer of their choosing.

**Listening and Speaking**
Students will investigate a range of techniques to enable them to create artworks styled on the renowned French impressionist artist, Monet.