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<th>Year 4</th>
<th>Term 1</th>
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<td><strong>Mathematics</strong></td>
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| **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. | **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. | **Smooth Moves (Primary Connections) Physical Science**  
In this Smooth Moves unit we will explore forces and motion. Through hands-on activities we will identify forces that act at a distance and those that act in direct contact, and investigate how different-sized forces affect the movement of objects. |
| **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. | **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. | **History**  
**Environmental and social change and continuity in communities.**  
Students will explore and investigate areas of change and continuity in the Victorian town of Port Fairy and then use these skills to conduct their own investigation of Bathurst.  
**Geography**  
**How and why are places similar and different?**  
The Students will explore the different climates, settlement patterns and demographic characteristics of inner Sydney suburb Glebe and rural north-west NSW city, Gulargambone and use this information to imagine what it would be like to live in different |
- 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

- 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 specifically on the language features of:
  - Proper Nouns
  - Common Nouns
  - Compound Nouns
  - Countable Nouns
  - Collective Nouns
  - Concrete Nouns
  - Abstract Nouns
  - Pronouns

**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 KLA.

- They will then conduct their own investigation to compare the cities of Bathurst and an Asian city of their choosing.

**Visual Art**
Students will investigate a range of techniques including, drawing, animation and photography to enable them to create artworks styled on Australian artist, Jess MacNeil.