Welcome back to Term 3. We hope that your child has settled back into class after the June/July break. Please let us know if you have any concerns as we are only too happy to listen and make improvements.

**MATHEMATICS:** Area – Geometric reasoning, number, linear and Non-linear. Weeks 1-2.

2. This term students will apply a variety of mathematical concepts in real-life, life-like and purely mathematical situations. Through the proficiency strands Understanding, Fluency, Problem solving and Reasoning, students have opportunities to develop understandings of:

- Geometric reasoning: develops geometry conventions and angle relationships, explores transversals and angles associated with parallel lines and find unknown angles using angle relationships
- Real numbers: revise place value and rounding whole numbers and make connections to rounding decimals and multiply fractions
- Number and place value: create generalizations about adding and subtracting integers and add and subtract integers
- Linear and non-linear relationships: develop methods of isolating a variable in an equation and solve simple linear equations.

**Index Notion, Ration, Linear equation, statistic. Weeks 3-7**

Through the sub-strands: Number and place value, Real numbers, Linear and non-linear relationships, and Data representation and interpretation, students have opportunities to develop understandings of:

- Index notation: expressing numbers as a product of their prime factors, calculating the square root of a number using prime factors and factor trees
- Ratio: investigating the concept of ratio and the part-part-whole relationship, writing ratios using the : convention, simplifying ratios, identifying equivalent ratios and solving problems involving ratios, making connections between ratios, fractions and percentages
- Linear equations: exploring the maintenance of balance to solve simple linear equations, using conventions to solve equations using the balance method and to communicate thinking, solving problems involving linear equations
- Statistics: displaying data using stem-and-leaf plots, comparing different types of data displays, exploring factors (bias, sample size and selection) that influence data sets, determining appropriate displays for discrete and continuous data, reviewing mean and median, interpreting data and data displays to make informed decisions about an issue (E.g. health).

**Fractions and Decimals, Linear Equations and Angles. Weeks 7-11**

In this unit students will apply a variety of mathematical concepts in real-life, life-like and purely mathematical situations. Through the sub-strands Number and place value, Real numbers, Patterns and algebra, Linear and non-linear relationships and Geometric reasoning, students have opportunities to develop understandings of:

- Fractions and decimals: reviewing the associative, commutative and distributive number laws, multiplying and dividing with fractions and decimals
- Linear equations: exploring the maintenance of 'balance' in simple linear equations, solving equations using the balance and backtracking methods, using conventions to communicate thinking and applying knowledge of linear equations to solve problems
- Angles: revising the classification of angles, angles on a straight line, angles at a point, vertically opposite angles and the sum of angles in triangles and quadrilaterals and investigating properties of angles on parallel lines (corresponding, alternate and co-interior angles) to find unknown angles and, conversely, to prove lines are parallel.

Throughout this unit, students will require ready access to ICT at whole-class, small-group and individual levels.

**ENGLISH:** What makes the literary text based on Australia and Australian people so different from other countries?

Reading and interpreting literature about Australia and Australians:

This term students will listen to, read and view literature about Australia and Australians, including the close study of the novel Black Snake. Students demonstrate their understanding of this literature by responding to comprehension questions from reading and viewing texts.

Examining representations of Australia and Australians in literature:

Students examine the ways characters, real and imagined; have been represented in texts. Students use this information and evidence to construct written responses to the events in the novel and the range of texts examined.

**HISTORY:** The Mediterranean World: Ancient Rome

Students will investigate the following question - What are the defining characteristics of ancient Rome and what are its legacies? Rome was the largest empire in the ancient Mediterranean world. She began as a small community on the Tiber River in Italy and, largely by means of military conquest, took control of all the lands bordering the Mediterranean and much of Europe. Her developments in law, architecture, religion, and government demonstrated how practical and yet innovative the ancient Romans were. She experienced significant changes in the administration of her own government and of her provinces yet she managed these changes for centuries and adapted to them. The following content is taught as part of an overview for the historical period:
• the evidence for the emergence and establishment of ancient societies (including art, iconography, writing tools and pottery)
• key features of ancient societies (farming, trade, social classes, religion, rule of law).
The content provides opportunities to develop historical understandings through the key concepts of evidence, continuity and change, cause and effect, perspectives, empathy, significance and contestability.

**SCIENCE:** The effects the heavenly bodies and sensational seasons have on our planet? Year 7's will be learning about interrelationships between the Sun, Earth and Moon system. They explore predictable phenomena such as eclipses, tides, phases of the Moon and solar phenomena (heavenly bodies). Sensational season's builds on the concepts covered in heavenly bodies relating to the relative positions of the Earth and Sun. This unit also considers the seasons, different cultural understandings, and how scientific understandings have changed over time. It examines the impact of seasons on animals and plants and human endeavours such as farming and fishing.

**HPE:** Healthy Body!
Year 7 students will be learning the following in both their theory and practical lessons:
• identify issues and plan investigations and activities
• collect, analyse and evaluate information and evidence
• draw conclusions and make decisions supported by information and evidence
• propose, justify, implement and monitor plans or actions to promote health and wellbeing, movement capacities and personal development
• apply movement concepts and make purposeful refinements to movement skills
• create and perform movement sequences through modifying and combining movement skills and applying movement concepts
• identify risks and justify and apply safe practices
• select and demonstrate appropriate personal development skills and strategies in team and group situations
We will be learning and creating different skipping routines.

**BUSINESS:** Welcome to term 3 where students learn how to investigate business information and procedures. This will include investigating business systems and source documents. Students will manually and electronically complete source documents. They will learn how this information benefits the business. There will be an exam on the 2 September 2013 as an assessment for this unit. Please feel free to contact me through the school, should you have any suggestions or concerns.

Yours thankfully
Ella Skudder

**ART:** DEADLY DRAGON ART: Period 4, Wednesday and Thursday. Students will use ideas about the history of Asia to inform their design of an Asian dragon and present their drawing and detailed description in a visual art diary. Elements of line, tone, shape and colour will be explored along the way and mini assessments of these conducted.

**Homework:** Please check your child’s diary for notification of homework as well as assessment tasks and their due dates. Homework Club is provided Monday-Thursday free of charge for any student wanting help to complete their homework or assessment tasks.

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