

Teacher(s): Ray Power James, Caitlyn Brooks & Rita Scholl

Faculty: Inclusive Education - Mathematics

Unit Duration: Semester 1 & 2

A 'P' unit indicates your child has been provided with a learning program that does not align exactly with the year level content prescribed in the Australian Curriculum.

Australian Curriculum Achievement Standard (Yr 5 Achievement Standard)

Students solve problems involving the four operations using a range of strategies. They check the reasonableness of answers using estimation and rounding. Students identify and describe factors and multiples. They identify and explain strategies for finding unknown quantities in number sentences involving the four operations. They explain plans for simple budgets. Students connect three-dimensional objects with their two-dimensional representations. They describe transformations of two-dimensional shapes and identify line and rotational symmetry. Students interpret different data sets.

Students order decimals and unit fractions and locate them on number lines. They add and subtract fractions with the same denominator. Students continue patterns by adding and subtracting fractions and decimals. They use appropriate units of measurement for length, area, volume, capacity and mass, and calculate perimeter and area of rectangles. They investigate 12- and 24-hour time. Students use a grid reference system to locate landmarks. They measure and construct different angles. Students list outcomes of chance experiments with equally likely outcomes and assign probabilities between 0 and 1. Students pose questions to gather data, and construct data displays appropriate for the data.

Yr 7 Achievement Standard

Students solve problems involving the comparison, addition and subtraction of integers. They connect the laws and properties for numbers to algebra.

P Unit Description:

The proficiency strands Understanding, Fluency, Problem Solving and Reasoning are an integral part of Mathematics content across the three content strands: Number and Algebra, Measurement and Geometry, and Statistics and Probability. These proficiencies are developed through the study of the following topics: Consumer Maths, Measurement of 2D and 3D shapes, Linear Equations, Data, Classifying Quadrilaterals and Time.

Essential Learning Outcomes developed from the Achievement Standards of the Australian Curriculum:

1. Can recognise and use algebraic expressions in number
2. Can investigate everyday situations that use integers
3. Can use the four operations (number and place value)
4. Can use maps and grid reference systems
5. Can collect, interpret and display data
6. Can use money in everyday settings
7. Can use fractions, decimals and percentages
8. Can investigate time
9. Can represent probabilities of an outcome
10. Can identify, make and classify 2D and 3D shapes
11. Can compare and classify angles
12. Can use various units of measurement

Materials and Equipment Required: Students are expected to arrive at every class with a class book/folder to write notes for that subject, a writing instrument and a Chromebook or similar, appropriate electronic device.

Absences from Class: Students who miss classes due to absence or excursions must negotiate with the class teacher to catch up missed work.

Use of IT in Class: A Google Classroom has been set up for this class. Students will be required to log into this Google Classroom regularly to access course material. Students must bring a personal device (not a smartphone) to all lessons, however, the use of these devices in class will be at the discretion of the teacher.

Homework: All students will be given multiple opportunities to demonstrate growth in proficiency levels across all Essential Learnings during class time. Students may use time at home to complete additional enrichment and extension activities that demonstrate further growth in proficiency levels, or to catch up on missed or unfinished classwork.

Late Work: Extensions may be negotiated with individual teachers before the due date

Plagiarism: Plagiarism is copying or using another's work and claiming it as your own. This includes copying, cutting and pasting text or using ideas directly from a text, the internet or some other source without appropriate referencing. If this happens, work may not be graded and students will be asked to discuss the assessment with the classroom teacher and Executive Teacher for that subject. Parents may be contacted as part of this process.

Assessment Portfolio: This contains evidence of work from the opportunities the students have been provided to demonstrate elements of the achievement standard.

Portfolio Assessment Tasks for this subject will include:	Week / Date Due	Essential Learning
1. Class Tasks	Ongoing	All
2. Real Life Project Based Learning Tasks	Ongoing	All
3. End of Topic Summative Assessment	Ongoing	All

A-E Reporting Grade Descriptors These are the grades and grade descriptors for reporting at the end of each Semester.

A demonstrating **excellent** achievement of what is expected (Consistently achieving excellent growth in proficiency in each of the Essential Learnings)

B demonstrating a **high** achievement of what is expected (Consistently achieving high growth in proficiency in each of the Essential Learnings)

C demonstrating **satisfactory** achievement of what is expected (Achieving satisfactory growth in proficiency across each of the Essential Learnings)

D demonstrating **partial** achievement of what is expected (Achieving partial growth in proficiency across each of the Essential Learnings)

E demonstrating **limited** achievement of what is expected (Achieving limited growth in proficiency across each of the Essential Learnings)

S status is awarded where unavoidable circumstances have prevented assessment. Must be negotiated with the Principal.

Grade Descriptors and the "C" grade

In ACT public schools the Australian Curriculum Achievement Standard is aligned with a 'C' grade. The 'C' grade indicates that your child has demonstrated a satisfactory level of knowledge, understanding and skill in relation to the Achievement Standard.

Appeals

A student must initiate an appeal for any grade with their subject teacher. If a student is dissatisfied with that initial process, they must pursue further appeal through the Faculty Executive Teacher for that subject.

Executive Teacher

Jenelle Reynolds

7/7/2021