Lanyon High School

Small Group 9/10 – Australian Curriculum: Mathematics (2024)

| ldentify curriculum | Achievement standard | Students will study skills and content appropriate to their ability level under the topics listed below. All content is drawn from the Mathematics Curriculum, ranging fr ability level. Broadly, students in the Small Group will be learning a range of strategies to solve number and algebraic problems, gather and utilise data, make predict and develop their financial literacy in preparation for real-life scenarios. Source: Australian Curriculum, Assessment and Reporting Authority (ACARA), Australian Curriculum: Mathematics for Foundation-10 Version 9, Mathematics V9 Australian Curriculum | | | | | | | | |
|-----------------------------|-------------------------|--|--|---|--|--|--|--|--|--|
| | Term overview | Term 1 | Term 2 | Term 3 | | | | | | |
| Teaching and learning | | NUMBER and ALGEBRA: Mental computation strategies (ongoing) EL6: I can perform basic operations | | | | | | | | |
| | | NUMBER and ALGEBRA EL6: I can perform basic operations Number and place value Number sequences Addition and subtraction strategies Mental and written strategies Integer: comparison, addition and subtraction MEASUREMENT and GEOMETRY Time EL9: I can utilise my time Reading digital and analogue Converting between times Determining travel time applying understanding of time to real life applications STATISTICS and PROBABILITY EL: 8 can read and interpret tables, graphs and visual texts. Data Representation and Interpretation Collect data and analyse it Represent data in different ways Calculate mean, mode, median Two way tables and venn diagrams Determine probabilities and complementary events | NUMBER and ALGEBRA EL6: I can perform basic operations Multiplication and division strategies Mental and written strategies Identifying factors and multiples Index notation squares and square roots Patterns and Algebra Describes, continues number patterns from four operations of number Find unknown quantities in number sentences Explore the use of brackets and order of operations to write number sentences Connect the laws and properties for numbers to algebra solve simple linear equations and evaluate expressions after substitution. MEASUREMENT and GEOMETRY EL8: I can read and interpret tables, graphs and visual texts Identifying features on a map Introduce Cartesian Plane Assign ordered pairs to given point on a cartesian plane Represent transformations in the cartesian plane | NUMBER and ALGEBRA EL 6: I can perform basic operations - Model and represent unit fraction - Expressing fractions as a decim percentage - Representing fractions and decimals as equivalents - Solving problems using fraction decimals and percentages. - Solve everyday problems using r rates and percentages - MEASUREMENT and GEOMETRY EL7: I can functionally use metric units - Using Length, mass and capacity to wor with decimal fractions - Convert units of measurement - Solve problems using volume EL7: I can functionally use metric units - Using units of measurement - Area - Perimeter - Units of measurement Length - Calculate the circumference of circles | | | | | | |



rom Foundation to Year 10 according to individual student ions involving probability, solve measurement problems

Term 4

| ons hal or | MEASUREMENT and GEOMETRY Geometric reasoning EL: I Can identify and compare angle sizes in everyday situations • Angles - Draws and names different types of angles - Solves simple problems involving angles - Names of types of angles formed |
|---------------|---|
| ratio, | by a transversal crossing parallel |
| | lines EL:-I can identify properties of shapes |
| k | Shape Investigating properties of shapes 2D and 3D Describe different views of 3D objects Classify triangles and quadrilaterals Identify conditions for congruence of triangles and deduce the properties of quadrilaterals Location and Transformation EL: I can Identify and create patterns of Symmetry Transformation and symmetry |
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| | General capabilities and Cross curriculum priorities | ■ ♥ ♥ ₩ ↓ | | ब ≋ ≉ ☆ ∰ | | ब≡≉¢† | | ब ⋷ ¢¢††i↓ | |
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| | Key to general capabilities and cross-curriculum priorities Image: Numeracy with and Torres Strait Islander histories and cultures with and cultur | | | | | | | | |
| | | Term 1 | | Term 2 | | Term 3 | | Term 4 | |
| Develop assessment | Assessment | Week | Assessment instrument | Week | Assessment instrument | Week | Assessment instrument | Week | Assessment instrument |
| | | 1-10 | Ongoing Bookwork working with operations of number | 1-10 | Ongoing Bookwork working with operations of number | 1-10 | Ongoing Bookwork working with operations of number | 1-10 | Ongoing Bookwork working with operations of number |
| | | 6 | Data analysis assessment | 6 | Mapping and cartesian plane assessment | 6 | Statistical survey assessment | 6 | Angles and Shape assessment |
| | Moderation | Term 1 | | Term 2 | | Term 3 | | Term 4 | |
| Make judgments and use feedback | | Teachers moderate the assessment tasks to ensure consistency of judgments. | | Teachers moderate the assessment tasks to ensure consistency of judgments. | | Teachers moderate the assessment tasks to ensure consistency of judgments. | | Teachers moderate the assessment tasks to ensure consistency of judgments. | |