Learning in Mathematics – Team 5-6 Term 1 2017

Number and Algebra	Measurement and Geometry	Statistics and Probability
• Consolidate place value of whole numbers, decimals and common fractions. • Investigate everyday situations that use integers. Locate and represent these numbers on a number line (connect with work in Measurement). • Use ordered pairs of integers to represent coordinates of points and locate a point in any one of the four quadrants on the Cartesian plane. • Select and apply efficient **mental strategies** and appropriate digital technologies to solve problems involving all four operations with whole numbers and decimals applying strategies already developed for solving problems involving small numbers to those involving large numbers. • Continue and create sequences involving whole numbers, fractions and decimals. Describe the rule used to create the sequence. • Identify and describe properties of prime, composite, square and triangular numbers. • Investigate index notation and represent whole numbers as products of powers of prime numbers. • Investigate and use square roots of perfect square numbers. •	**Measurement** • Connect decimal representations to the metric system, **Geometry** • Introduce the Cartesian coordinate system using all four quadrants with an understanding that the Cartesian plane provides a graphical or visual way of describing location (connect with work in integers). • Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point	**Probability** • Assign probabilities to the outcomes of events and determine probabilities for events expressing probabilities as words, and fractions, decimals and percentages **Statistics** • Interpret and compare a range of data displays