‘Above and below the line’ ideas, F–6

http://topdrawer.aamt.edu.au/Reasoning/Big-ideas/Same-and-different/Classification/Above-and-below-the-line

These are just a few examples of the content that can be used in the ‘above and below the line’ activity.
Sorting could done on two tabletops, rather than above and below a line on the board.

Year	*Content*	*Australian Curriculum link*	*Examples*
Foundation	Number and place value	Compare, order and make correspondences between collections, initially to 20, and explain reasoning (ACMNA289)	Numbers that end in 2 Numbers that are greater than 10 or less than 10
	Using units of measurement	Compare and order the duration of events using the everyday language of time (ACMMG007)	Words about things we do at school compared with after school (or before lunch and after lunch, day and night etc.) Activities that take more/less than one hour
	Shape	Sort, describe and name familiar two-dimensional shapes and three-dimensional objects in the environment (ACMMG009)	Draw shapes or letters with straight compared with curved lines Shapes with 4 sides (or not)
Year 1	Number and place value	Represent and solve simple addition and subtraction problems using a range of strategies including counting on, partitioning and rearranging parts (ACMNA015)	Pairs of numbers that add to 12 (e.g. 8 and 4, 6 and 6, 4 and 8) Pairs of numbers that have a difference of 2
	Patterns and algebra	Investigate and describe number patterns formed by skip counting and patterns with objects (ACMNA018)	Make and describe patterns using shapes that have 4 sides

Year	*Content*	*Australian Curriculum link*	*Examples*
	Using units of measurement	Measure and compare the lengths and capacities of pairs of objects using uniform informal units (ACMMG019)	Draw things that are bigger/smaller than us (in discussion use terms such as taller, heavier, wider etc.)
Year 2	Number and place value	Investigate number sequences, initially those increasing and decreasing by twos, threes, fives and tens from any starting point, then moving to other sequences (ACMNA026)	Multiples of two, three, five or ten; then other sequences
	Using units of measurement	Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units (ACMMG037)	Things longer or shorter than 10 paper clips
	Patterns and algebra	Sort and classify familiar objects and explain the basis for these classifications. Copy, continue and create patterns with objects and drawings (ACMNA005)	Flags with at least one triangle in the design, e.g. using https://www.cia.gov/library/publications/the-world-factbook/docs/flagsoftheworld.html
Year 3	Number and place value	Investigate the conditions required for a number to be odd or even and identify odd and even numbers (ACMNA051)	Odd numbers and even numbers
	Location and transformation	Identify symmetry in the environment (ACMMG066)	Body parts that we have two of, compared with single body parts
	Data representation and interpretation	Identify questions or issues for categorical variables. Identify data sources and plan methods of data collection and recording (ACMSP068)	Events that are inevitable compared to events that are impossible (e.g. growing pineapples at the South Pole)
Year 4	Fractions and decimals	Investigate equivalent fractions used in contexts (ACMNA077)	Common fractions that are equal to one-half, compared with other fractions
	Geometric reasoning	Compare angles and classify them as equal to, greater than or less than a right angle (ACMMG089)	Acute angles compared to obtuse angles

Year	*Content*	*Australian Curriculum link*	*Examples*
	Chance	Identify everyday events where one cannot happen if the other happens (ACMSP093)	Winter Olympic events compared to Summer Olympic events
Year 5	Number and place value	Use estimation and rounding to check the reasonableness of answers to calculations (ACMNA099)	Numbers with decimal fractions that round up or down to 3 compared to other numbers
	Using units of measurement	Compare 12- and 24-hour time systems and convert between them (ACMMG110)	12-hour times written in various ways compared with 24-hour time
	Patterns and algebra	Use equivalent number sentences involving multiplication and division to find unknown quantities (ACMNA121)	Number sentences where the missing number is 5 compared to other any other number
Year 6	Number and place value	Identify and describe properties of prime, composite, square and triangular numbers (ACMNA122)	One type of number (e.g. prime) compared with others
	Using units of measurement	Connect volume and capacity and their units of measurement (ACMMG138)	Containers that hold less than a litre compared to those holding more than a litre
	Fractions and decimals	Make connections between equivalent fractions, decimals and percentages (ACMNA131)	Different ways of writing three-quarters compared to other amounts