

CORPUS CHRISTI CATHOLIC PRIMARY SCHOOL

We live our lives like Jesus



INSPIRE
MATHS

VOCABULARY GUIDE

Updated December 2019

Corpus Christ is an INSPIRE Maths school.

Inspire Maths focuses on developing problem-solving skills, leading children to become confident and efficient problem solvers, which is critical for success at school and later in the work place.

The concrete–pictorial–abstract (CPA) approach is central to the Inspire Maths programme. In Inspire Maths there is a consistent and coherent use of models and images. It is important that children develop a range of visualisations for deep conceptual understanding.

The spiral curriculum and the use of variation theory ensure that concepts are frequently revisited and developed to ensure fluency and deep understanding. Mathematical language is introduced progressively through the programme from the start and children are encouraged to use it in their conversations.

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Number	numbers to 100 count how many...? zero pairs count on match compare the same more...than fewer...than number train greater than smaller than order pattern less than ordinal ordinal numbers 1st/first-10 th /tenth before after between position last left right place value tens ones set equal	Numbers to 1000 hundred thousand hundreds base ten 3-digit number	Numbers to 10000 thousands value 4-digit number	numbers to 100000 ten thousands 5-digit number approximately equal to / \approx rounding nearest (rounding) reasonable exactly (division) factor common factor multiple common multiple calculate tenth decimal point (decimal) decimal point hundredths thousandths decimal place convert	numbers to ten million hundred thousand million order of operations operation brackets multiplying factor term average mean

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Addition	number bond part whole number balance altogether add plus equals addition sentence total most rounds addition story word problem	Regrouping	Sum		

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Subtraction	subtract minus taking away subtraction sentence step counting back subtraction story number sentence family (number sentences)	Regrouping	Difference		

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Multiplication	multiplication multiplication stories multiplication sentence times	skip-counting times table	finger counting method short cut method product double thrice		

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Division	Division equally divide	sharing / share division sentence Grouping	Quotient remainder odd numbers even numbers horizontally vertically diagonally		

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Fractions, Percentages, Ratio and Proportion		Fractions equal part unequal whole fractional parts fractions (one-half to one-twelfth) fraction story like fractions	numerator denominator equivalent fraction simplest form portion common denominator common numerator express	mixed number simplify cancellation improper fraction conversion (fractions)	unlike fractions long division proper fractions ratio equivalent ratio per cent percentage quantity discount sale price usual price interest rate

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Shape	Trace shape side circle triangle square rectangle types objects pattern size what comes next?	flat surface 2D shapes Semi semicircle quarter circle 3D shapes cuboid Cone cylinder tangram	perpendicular line perpendicular to ⊥ point (line) grid parallel line // unit square	Vertex ∠ (angle symbol) protractor degrees (angles) ° outer scale (protractor) inner scale (protractor) 8-point compass direction north, north-east, east, south-east, south, south-west, west, north-west clockwise anti-clockwise set-square horizontal line vertical line symmetry / symmetrical line of symmetry symmetrical shape tessellations unit shape modify	angles on a straight line angles at a point vertically opposite angles right-angled triangle isosceles triangle equilateral triangle parallelogram rhombus trapezium solid cube face edge cuboid cubic unit cubic centimetre / cm ³ cubic metre / m ³ cubical

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Measure	Length Tall/taller Short/shorter Long/longer High/Higher shortest tallest longest highest measure about trace guess check unit (length) mass heavy/heavier light/lighter pan balance calendar time minute hour minute hand hour hand o'clock half past half hour money coin note pence pounds exchange pay cost spend change	metre / m Height Width centimetre / cm Wide straight line curve Far/further kilogram / kg scale (mass) estimate lightest gram / g Turn minutes past a.m. p.m. start (time) Noon midnight end (time) h (hour) mins (minutes) volume as much...as identical litre / ℓ	Distance kilometre / km millilitre / ml capacity minutes to conversion duration finish (time) angle turn (angle) right angle area surface tile square unit square centimetre cm ² square metre m ² perimeter	seconds / s second hand 12-hour clock 24-hour clock composite shape	

	Year 1 (IM1)	Year 2 (IM2)	Year 3/4 (IM3)	Year 5 (IM4)	Year 6
Statistics	picture graph data collecting organizing interpreting		bar graph interpreting	table tally line graph axis	pie chart