

Class of 2024 (Higher) Mathematics

Long Term Plan 2021-22



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
	W/C 30/08	W/C 06/09	W/C 13/09	W/C 20/09	W/C 27/09	W/C 04/10	W/C 11/10	W/C 01/11	W/C 08/11	W/C 15/11	W/C 22/11	W/C 29/11	W/C 06/12
Cycle 1		Trigonometry SOHCAHTOA Missing sides Missing angles	Trigonometry Sine Rule Cosine Rule	Trigonometry Area of a triangle Problem solving	Trigonometry 3D Trigonometry Exact Values Graphs	Transformations, similarity & congruence Reflect Rotate Translate	Transformations, similarity & congruence Enlargements	Transformations, similarity & congruence congruence, similarity	Set notation & venn diagrams Probability Algebra Venn diagrams	Functions Inverse functions Composite functions Equating functions	Graph transformations cubics & exponential graph, Trig. graphs	Upper and Lower Bounds (Y7) Error intervals Estimation Division "Consider bounds"	Algebraic proof Recurring decimals (Y7) Odd and even numbers Multiples
		Remote Task: Skill numbers 508, 509, 510, 51, 512, 513, 514 and 515 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 521, 522, 523, 524, 525, 527, 528, 529 and 530 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 517, 518, 531, 532 and 533 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 303, 305, 306 and 854 – 863 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 637, 638, 639, 640, 641, 648 and 649 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 642, 643, 644, 645, 646, 647, 650, and 656 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 680, 681, 608, 609, 610, 611, 612, 613, 614, 615 and 618 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 372, 373, 374, 375, 376, 377, 378 and 379 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 290 – 291 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 307 - 318 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 134, 137, 138 and 139 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 53, 54, 325-327 Resources: https://hegarty.maths.com/
Cycle 2	W/C 13/12	W/C 03/01	W/C 10/01	W/C 17/01	W/C 24/01	W/C 31/01	W/C 07/02	W/C 14/02	W/C 28/02	W/C 07/03	W/C 14/03	W/C 21/03	W/C 28/03
	Stats Centrality Spread, Stratified sampling, Ranges Quartiles,	Stats Pie charts Moving averages Time series Capture-recapture	Stats Box plot Cumulative frequency Line graphs Frequency tables	Stats Histograms Scatter graphs Correlation,	Iteration Show a root is between points Rearrange and solve	Circles Proof of circle theorems Equation of circle	Pre-Calculus Area under curve Tangent to curve	Pre-Calculus Area under curve Tangent to curve	Vectors Column vectors calculations and labelling vectors	Vector : Vector problems Proof	Revision	Revision	Revision
	Remote Task: Skill numbers 411, 419, 420, 421, 396, 397 and 398 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 427, 428, 429, 453, 454, 450, 451, 872 and 873 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 434 – 440, 437, 439, 450 – 451 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 453, 454, 442 – 449 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 322 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 816 – 820, 520, 526, 314 – 317, 778 and 779 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 891 – 893 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 891 - 893 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 622 - 627 Resources: https://hegarty.maths.com/	Remote Task: Skill numbers 628 - 636 Resources: https://hegarty.maths.com/	Remote Task: Resources:	Remote Task: Resources:	Remote Task: Resources:

