SUMMER TERM DISCOVERING MATHS 7A 2022

In order to support and develop RRS in Maths at Clyst Vale Community College all teachers in the Maths Department will make sure that the following happens in every Maths lesson:

Every child is taught maths without discrimination, whatever their ethnicity, gender, religion, language or ability. (Article 2- non- discrimination)

Every child's best interests are top priority in every Maths lesson (Article 3-best interests of the child)

In all Maths lessons every child is given the right to express their views and ideas about a particular area of work and these views and ideas are considered, taken seriously and responded to by both other students and teachers. (Article 12-respect for the views of the child)

In all Maths lessons every child is free to express their thoughts and opinions about a particular area of work. Every child is given access to all information that is required (Article 13-freedom of expression)

Discipline in the Maths classroom is consistent and respects every child's dignity and their right. Every child in the classroom has the right to an education (Article 28-right to education)

Every child's mathematical ability and talent will be developed to the full. They will be encouraged to show their peers and teachers the respect that they deserve (Article 29-goals of education)

Differentiation in Maths Lessons

Differentiation is about tailoring lessons for students with individual needs. We must change the content delivery or methods of learning to ensure that every child learns in a way that is suitable for them. When done right differentiation in teaching challenges every student at an appropriate level. It allows the student to grow and succeed in a way that is fair to them. In Maths lessons we try to incorporate the following in all lessons:

Maths teachers target the majority and differentiate around.

Maths teachers keep it short and simple (KISS).

Maths teachers know their students and are clear about what they want them to achieve.

We use support staff wisely.

Maths teachers are flexible and they use a range of strategies-if it doesn't work then we stop!

We access the students' learning using a variety of methods: formative assessment, questioning, no hands up, quizzes, think pair share, open ended tasks, tiered resources…and many more

Every Maths classroom is managed to create a safe and supportive environment.

Maths teachers share their own strengths and weaknesses.

Thought provoking questions are posed to encourage students to think for themselves and become more independent learners.

Students are encouraged to ask questions and investigate their own ideas to improve their problem solving skills as well as gain a deeper understanding of mathematical concepts.

WEDS 20TH APRIL

	Chapter 8 Measures and Angles			ⓚ Chapter 8 introduction video ⓚ Chapter 8 online skills test ⓚ Chapter 8 end of chapter test and mark scheme ⓚ Fully-worked solutions: Chapter 8 in Workbook 1A	
Summer Term / Week 1	8.1 Introduction to Angles	• Measure and draw angles with a protractor	DF2 RM5 SP1–4 N12 G3, 6, 16	Workbook 1A Section 8.1 ⓚ Try It! video 3	1081
	8.2 Types of Angles	• Identify acute, right, obtuse and reflex angles	DF2 RM5 SP1–4 N12 G5, 16	Workbook 1A Section 8.2 ⓚ Try It! video 5	1989

220-231

MON 25TH APRIL

	8.3 Unknown Angles	• Calculate missing angles in right angles, on straight lines and in full turns	DF2 RM5 SP1–4 N12 G5, 10, 16	Workbook 1A Section 8.3 Ⓚ Try It! videos 6, 8	1990
Summer Term / Week 2					

231-238

TUES 3rd MAY

	Chapter 9 Symmetry			Ⓚ Chapter 9 introduction video Ⓚ Chapter 9 online skills test Ⓚ Chapter 9 end of chapter test and mark scheme Ⓚ Fully-worked solutions: Chapter 9 in Workbook 1A	
Summer Term / Week 3	9.1 Reflection Symmetry of Plane Figures	• Identify reflection symmetry and lines of symmetry • Create symmetrical figures and patterns	DF2, 7 RM5 SP1–4 N12 G5	Workbook 1A Section 9.1 Ⓚ Try It! video 1	1230

244-250

MON 9TH MAY

	9.2 Rotation Symmetry of Plane Figures	• Identify rotation symmetry • State the order of rotation symmetry	DF2, 7 RM5 SP1–4 N12 G5	Workbook 1A Section 9.2 Ⓚ Try It! video 4	1116
Summer Term / Week 4					

250-257

MON 16TH MAY

	Chapter 10 Perimeter and Area of Rectangles, Squares and Triangles			Ⓚ Chapter 10 introduction video Ⓚ Chapter 10 online skills test Ⓚ Chapter 10 end of chapter test and mark scheme Ⓚ Fully-worked solutions: Chapter 10 in Workbook 1A	
Summer Term / Week 5	10.1 Perimeter of Squares and Rectangles	• Find the perimeter of squares and rectangles	DF2, 7 RM5 SP1–4 N12 G2, 7, 16	Workbook 1A Section 10.1 Ⓚ Try It! video 1	

262-267

MON 23rd MAY

	10.2 Area of Squares and Rectangles	• Calculate the area of squares and rectangles	DF2, 7 RM5 SP1–4 N12 G7, 16	Workbook 1A Section 10.2 Ⓚ Try It! video 5	
Summer Term / Week 6					

267-273

SAT 28TH MAY-SUN 5TH JUNE   HALF TERM

MON 6TH JUNE

| Summer Term / Week 7 | 10.3 Perimeter and Area of Triangles | • Find the perimeter of triangles
• Calculate the area of triangles | DF2, 7
RM5
SP1−4
N12
G1, 7, 16 | Workbook 1A Section 10.3
🄚 Try It! videos 9, 12 | 1110 |

273-284

MON 13TH JUNE

Summer Term / Week 8	**Chapter 11 Volume and Surface Area of Cuboids, including Cubes**			🄚 Chapter 11 introduction video 🄚 Chapter 11 online skills test 🄚 Chapter 11 end of chapter test and mark scheme 🄚 Fully-worked solutions: Chapter 11 in Workbook 1A	
	11.1 Nets of Cuboids, including Cubes	• Draw nets of cuboids, including cubes • Sketch cubes and cuboids	DF2, 7 RM5 SP1−4 N12 G15	Workbook 1A Section 11.1	
	11.2 Surface Area of Cuboids, including Cubes	• Calculate the surface area of cuboids, including cubes	DF2, 7 RM5 SP1−4 N12 G15, 16	Workbook 1A Section 11.2 🄚 Try It! video 4	

290-301

MON 20th JUNE

| Summer Term / Week 9 | 11.3 Volume of Cuboids, including Cubes | • Calculate the volume of cuboids, including cubes | DF2, 7
RM5
SP1−4
N12
G1, 16 | Workbook 1A Section 11.3
🄚 Try It! video 9 | 1137 |

301-307

MON 27TH JUNE

| Summer Term / Week 10 | **Chapter 12 Collecting, Organising and Displaying Data** | | | 🄚 Chapter 12 introduction video
🄚 Chapter 12 online skills test
🄚 Chapter 12 end of chapter test and mark scheme
🄚 Fully-worked solutions: Chapter 12 in Workbook 1A | |
| | 12.1 Collecting, Classifying and Tabulating Data | • Collect data using different methods
• Classify, organise and tabulate data | DF2, 7
SP1−4
N12 | Workbook 1A Section 12.1 | |

313-319

MON 4TH JULY

| Summer Term / Week 11 | 12.2 Pictograms, Vertical Line Charts and Bar Charts | • Read and interpret pictograms, vertical line charts and bar charts
• Represent data in pictograms, vertical line charts and bar charts
• Identify the advantages and disadvantages of pictograms, vertical line charts and bar charts | DF2, 7
SP1−4
N12
S1, 2 | Workbook 1A Section 12.2
🄚 Try It! video 4 | 1205, 1193 |

319-335

Summer Term / Week 12	12.3 Grouped Data	• Understand and interpret grouped data • Draw a grouped frequency table • Draw grouped data in a bar chart	DF2, 7 SP1−4 N2, 12 S1, 2	Workbook 1A Section 12.3 **ⓚ** Try It! video 10	1196
	Review and assessment: Integrated Examples and Review Exercise 3 Problems in Real-World Contexts		**Int Ex & Rev Ex 3** DF2, 7 RM5 SP1−4 N12 G1, 2, 3, 5, 10, 15 S1, 2 **Probs in Real-world Contexts** DF2, 7 RM5, 6 SP1−4 N4, 10, 12, 13 R1, 4, 6 G1, 2, 3, 5, 15	Workbook 1A Review 3 **ⓚ** Fully-worked solutions: Review 3 in Workbook 1A	

335-358