



Sutton House Academy

Scheme of Work

Subject: Maths

Year Group: 7 & 8

Teacher: Michelle Gater

**Sutton House Academy
Scheme of Work**

Academic Year:	From: Sept 2020	To: July 2021	Location: Sutton House Academy	Room: Maths
Course Title: Maths			Tutor/s: Michelle Gater	Learning support: (if applicable) -
Unit: (if applicable) -			Awarding Body: Edexcel	Level: Entry Level

Overall aim of the programme:

The aim of this course is to enable students to gain confidence and fluency in, and a positive attitude towards maths. Students will convey their confidence in using maths when they can demonstrate a sound grasp of mathematical knowledge and skills and are able to apply it to solve mathematical problems. This will be achieved by teaching the underpinning knowledge and skills both with and without a calculator. This will then enable students to gain a sound grasp of the basics of mathematical skills appropriate to their level and the ability to apply mathematical thinking to solve simple problems in familiar situations. As per the Pearson Edexcel criteria and National curriculum for KS3.

Lesson Number	Lesson Objectives/Outcomes (SMART)	Content By the end of this unit pupils should be able to...	Resources	Differentiation	Literacy & Numeracy links/ NC	Assessment for Learning/Assessment method
HALF TERM						
25	To be able to make own times table square up to 12 x 12	To create a resource to enhance knowledge of times tables	Resources 21 Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion	Peer assessment Teacher evaluation of work completed
26	To challenge myself and see how well I know my times tables	To set a baseline for the times table challenges	Resources 22 (challenge 1) & 23 Maths books Pens	Differentiated levels appropriate to individual students as per levels and	Discussion	Peer assessment Teacher evaluation of work completed

			Colouring pens/pencils	stage. See weekly plan. Extension tasks		
27	To challenge myself and see how well I know my times tables	To attempt to better the score from the last challenge and reinforce knowledge of 3 & 4 times tables	Resources 22 (challenge 2) & 24 Maths books Pens Colouring pens/pencils	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion	Peer assessment Teacher evaluation of work completed
28	To be able to use strategic and mathematical thinking to reach a specific goal	Use multiplication knowledge to take part in different games	Resources 13 p 9 & 33 Times table snap Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading	Peer assessment Teacher evaluation of work completed
29	To be able to shade shapes to a given fraction	Recognise $\frac{1}{4}$ & $\frac{1}{2}$ of shapes	Resources 25 Board work Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
30	To be able to recognise fractions equivalent to halves and quarters	To recognise simple equivalent fractions	Resources 26 Board work Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
31	To be able to determine fraction parts of a given shape	Know that a fraction is denoted by a numerator and a denominator	MEP 7A p 142 – 145 Maths books Pens Rulers	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
32	To challenge myself and see how well I know my times tables	To attempt to better the score from the last challenge and reinforce knowledge of 5 & 6 times tables	Resources 22 (challenge 3) & 24 Maths books Pens	Differentiated levels appropriate to individual students as per levels and	Discussion	Peer assessment Teacher evaluation of work completed

			Colouring pens/pencils	stage. See weekly plan. Extension tasks		
33	To be able to recognise fractions of equivalent amounts	To be able to recognise fractions that are equivalent amounts	MEP 7A 146 – 150 Maths books Pens Rulers	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
34	To be able to convert between mixed numbers and improper fractions	Know that an improper fraction has a larger numerator than denominator.	MEP 7A 152 – 155 Maths books Pens Rulers	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
35	To challenge myself and see how well I know my times tables	To attempt to better the score from the last challenge and reinforce knowledge of 7 & 8 times tables	Resources 22 (challenge 4) & 24 Maths books Pens Colouring pens/pencils	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion	Peer assessment Teacher evaluation of work completed
36	To be able to go over work so far and identify learning gaps	To go over learning so far and find learning gaps	Various worksheets / books as appropriate Maths books Pens Rulers Calculators	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading questions Writing	Peer assessment Teacher evaluation of work completed
37	Practice exams - assessment week	Able to attempt a practice exam at a level appropriate to self under exam conditions	Resources 27 & 28 Pens Pencil Calculator Ruler Protractor	Differentiated exams at appropriate level for individual	Reading writing	Teacher assessment
38	Practice exams - assessment week	Able to attempt a practice exam at a level appropriate to self under exam conditions	Resources 27 & 28 Pens Pencil Ruler	Differentiated exams at appropriate level for individual	Reading writing	Teacher assessment

			Protractor			
39	Practice exams - assessment week	Able to look at exams and see how they could have achieved a better grade.	Resources 27 & 28 Pens Pencil Calculator Ruler Protractor	Differentiated exams at appropriate level for individual	Reading Discussion	Teacher assessment Student assessment Peer assessment
40	Practice exams - assessment week	Able to look at exams and see how they could have achieved a better grade.	Resources 27 & 28 Pens Pencil Ruler Protractor	Differentiated exams at appropriate level for individual	Reading Discussion	Teacher assessment Student assessment Peer assessment
41	To be able to design a data collection sheet (tally chart) to record dice rolls	Create a data collection sheet fit for purpose	Maths books Pens Rulers Plain paper	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
42	To challenge myself and see how well I know my times tables	To attempt to better the score from the last challenge and reinforce knowledge of 9 & 10 times tables	Resources 22 (challenge 5) & 24 Maths books Pens Colouring pens/pencils	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion	Peer assessment Teacher evaluation of work completed
43	To be able to use a tally chart to record information	Complete a tally of 100 dice rolls	Maths books Pens Dice Tally sheet from last lesson	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
44	To be able to extract information from a tally chart and to create a bar chart	Create a bar chart to show dice rolls	Maths books Pens Rulers Tally sheet from last lesson	Differentiated levels appropriate to individual students as per levels and	Discussion Reading writing	Peer assessment Teacher evaluation of work completed

				stage. See weekly plan. Extension tasks		
45	To be able to interpret data displayed as a pictogram	Interpret and use data from a pictogram	Resources 29 Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
46	To be able to extract information from a table to compare objects	Extract information from a table to be able to compare calorie content of food items	Resources 30 Maths books Pens	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading writing	Peer assessment Teacher evaluation of work completed
47	To challenge myself and see how well I know my times tables	To attempt to better the score from the last challenge and reinforce knowledge of 11 & 12 times tables	Resources 22 (challenge 6) & 24 Maths books Pens Colouring pens/pencils	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion	Peer assessment Teacher evaluation of work completed
48	To be able to go over work from the half term and identify learning gaps	To go over learning from this half term and find learning gaps	Various worksheets / books as appropriate Maths books Pens Rulers Calculators	Differentiated levels appropriate to individual students as per levels and stage. See weekly plan. Extension tasks	Discussion Reading questions Writing	Peer assessment Teacher evaluation of work completed

End of Autumn Term