S2 Maths   2020-21

This is a rough outline of the lessons pupils will be taught throughout the year.
This may change slightly over the year depending on the teacher and the class.
We will email you to inform you of the exact date of upcoming assessments.

Wk beg	Period 1	Period 2	Period 3	Numeracy
03-Aug-20	Holiday	Holiday	Holiday	Holiday
10-Aug-20	In service	In service	Ratio - Understanding Ratio	Addition - Skills
17-Aug-20	Ratio - Simplifying Ratio	Ratio - Ratio Calculations	Ratio - Sharing amounts using ratio	Addition - Problem Solving
24-Aug-20	Ratio - Direct Proportion	Money - Comparing Products (value for money)	Money - Comparing Prices to find best deal	Subtraction - Skills
31-Aug-20	Money - Pay Slips (gross,net, deductions etc)	Money - Budgeting (need vs wants)	Number - Revision of Multiples/Factors (LCM/HCF)	Subtraction - Problem Solving
07-Sep-20	Number - Primes and Prime Factors	Number - Squares/cubes/indices	Number - Square and cube roots	Numeracy Games
14-Sep-20	Spare	Spare	Spare	Mutiplication, Division
21-Sep-20	Holiday	Pythagoras - Introduction to Pythagoras	Pythagoras - Finding the hypotenuse	F, D, P
28-Sep-20	**Maths Week**	**Maths Week**	**Maths Week**	F,D,P
05-Oct-20	Pythagoras - Problem Solving	Pythagoras - Shorter Sides	Pythagoras - Mixed Example Problem solving	F,D,P
12-Oct-20	Algebra - Collecting like terms (e.g abc & squares)	Algebra - Multiplying terms	Algebra - Revision of basic one/two step	F,D,P
19-Oct-20	Holiday	Holiday	Holiday	Holiday
26-Oct-20	In service	Algebra - Two Step with negative and fraction terms	Algebra - Substitution	Rounding Sig Figs
02-Nov-20	**Revision**	**Revision**	**Assessment**	**Revision**
09-Nov-20	Angles - Types and naming of angles	Angles - Measuring and Drawing angles with a protractor	Angles - Finding missing angles of right-angles,straight lines and full turns	Decimal/sig fig problem solving
16-Nov-20	Angles - Vertically opposite, Z and F angles	Angles - Angles in a triangle	Angles - Exterior angles of a polygon	Negative Numbers Skills
23-Nov-20	Scale - Compass Points and basic 3 figure bearings	Scale - Bearing Properties	Scale - Scale Drawing and Map Reading	Negative Numbers problem solving
30-Nov-20	Scale - Similar Shapes Intro	Scale - Scale Factors	Scale - Scale Factors area **(extention volume)**	Fractions - Improper/mixed fractions
07-Dec-20	Spare	Spare	Probability - Probability Scale	Christmas Activities

14-Dec-20	Probabilty - Calculating Probabilities	Probability - Comparing Probabilities	Christmas Coordinates	Holiday
21-Dec-20	Christmas Coordinates	Christmas Coordinates	Holiday	Holiday
04-Jan-21	In service	Algebra - Substitution	Algebra - Revision of basic one/two step	Fractions - Adding/subtracting (including from whole numbers)
11-Jan-21	Algebra - Revision of basic one/two step (or fractions/negatives if able)	Algebra - Expanding single bracket (including negatives)	Algebra - Expand brackets and simplify (e.g 7(a+b) - 3a)	Fractions - Multiplying/Dividing
18-Jan-21	Algebra - Expand two brackets and simplfy (e.g 3(a +b) - 8(a+b))	Algebra - Solving equations with brackets (e.g. 8(a -2) = 40)	Algebra - Solving equations with terms on both sides (e.g 4x + 3 = 2x +9)	Fractions - Problem Solving
25-Jan-21	Algebra - Factorising (simple and HCF)	Algebra - Factorising (both letters AND numbers)	Algebra - Topic Consolodation **(Extention - expanding double brackets)**	Converting between FDP
01-Feb-21	Statistics - Creating and interpreting Tally Charts	Statistics - Creating/Interpreting Bar charts	Statistics - Creating and interpreting Line Charts	Converting between FDP
08-Feb-21	Holiday	Holiday	Holiday	Holiday
15-Feb-21	**Revision**	**Revision**	**Assessment**	**Revision**
22-Feb-21	Statistics - Interpreting Pie Charts (creating if time allows)	Statistics - Range and Mean	Statistics - Mode and Median	Decimals - adding/subtracting (including money)
01-Mar-21	Algebra- solving equations reivison	Algebra - Understanding inequalities and sets	Algebra - Solving inequality equations	Decimals - Multiplying/dividing
08-Mar-21	Algebra - Changing the subject (simple)	Algebra - Changing the subject (complex- negative/fractions etc)	Algebra - Topic consolodation **(extention - change subject with squares and square roots)**	Percentages without calculator
15-Mar-21	Trig - Intro and labelling sides	Trig - Calculating opposite side using the tangent ratio	Trig - Calculating adjacent side using the tangent ratio	Percentages without calculator
22-Mar-21	Trig - Calculating angles using the tangent ratio	Trig - Sine and Cosine Ratios	Trig - SOH CAH TOA	Percentage increase/decrease
29-Mar-21	Trig - Problem Solving	Area/Volume - Calculate the area of rectangle/Triangle	Area/Volume - Area Kite, Rhombus, parallogram (trapezium)	Percentage increase/decrease
05-Apr-21	Holiday	Holiday	Holiday	Holiday
12-Apr-21	Holiday	Holiday	Holiday	Holiday
19-Apr-21	Holiday	Area/Volume - Area of composite shapes	Area/Volume - Volume of Cube/Cuboid (including 1ml = 1cm^3)	Ratio

26-Apr-21	Area/Volume - Volume of prisms	Surface Area - Intro to nets	Surface area - Calculate surface area of cuboid	Direct Proportion
03-May-21	Holiday	In service	Circle - Area of circle	Inverse Proportion
10-May-21	Circle - Parts of Circle, pi, circumferance of circle	Circle - Circumference/area of semi/quarter circles	Circle - Circle problem solving	**Revision**
17-May-21	**Revision**	**Revision**	**Assessment**	**Revision**
24-May-21	Holiday	Project	Project	Project
31-May-21	Project	Project	Project	Project
07-Jun-21	Change of timetable			