<table>
<tr><td>Subject: Mathematics</td><td>Year Group: 8</td></tr>
<tr><td>Spring 1 – Curriculum Plan</td><td>Homework Plan</td></tr>
<tr><td rowspan="3">Higher:
Coordinates and Sketching Graphs:
Plotting linear graphs, y = mx + c, quadratic graphs

Angles and Constructions:
Angles and parallel lines, interior and exterior angles, constructions
Loci

Foundation:
Coordinates and Sketching Graphs:
Plotting linear graphs, y = mx + c

Angles and Constructions:
Angles and parallel lines, interior and exterior angles, constructions</td><td><u>Embed</u>
PiXL/ Maths homework on a weekly basis on units being covered in class</td></tr>
<tr><td><u>Apply</u>
Confidently solve exam questions by skills acquired in lessons</td></tr>
<tr><td><u>Challenge/Interleaving</u>
Exam Questions practice on topics covered in Autumn 1 and 2</td></tr>
<tr><td></td><td>Improve/Go Green
Based on the feedback you have received from your Unit 1- 6 assessment, perform the following tasks:

• Do analysis on weaknesses
• Redo questions that were not completed to gain full marks
• Write revision notes with a green pen</td></tr>
<tr><td colspan="2">Spring 1 Assessment:
UNITS 1-6. ALGEBRA,AVERAGES AND SPREAD,FRACTIONS,RATIO AND PROPORTION, LINEAR EQUATIONS, ALGEBRA, COORDINATES and SKETCHING GRAPHS</td></tr>
</table>

<table>
<tr><td>Subject: Mathematics</td><td>Year Group: 7</td></tr>
<tr><td>Spring 1 – Curriculum Plan</td><td>Homework Plan</td></tr>
<tr><td rowspan="3">Higher:
Coordinates and Sketching Graphs:
Plotting linear graphs, y = mx + c, equations of straight lines
Quadratic quadratic graphs

Angles and Constructions:
Angles and parallel lines, interior and exterior angles, loci and constructions

Foundation:

Coordinates and Sketching Graphs:
Plotting linear graphs, gradients and equations of straight lines

Angles and Constructions:
Angles and parallel lines, interior and exterior angles, constructions</td><td><u>Embed</u>
PiXL/ Maths homework on a weekly basis on units being covered in class</td></tr>
<tr><td><u>Apply</u>
Confidently solve exam questions by skills acquired in lessons</td></tr>
<tr><td><u>Challenge/Interleaving</u>
Exam Questions practice on topics covered in Autumn 1 and 2</td></tr>
<tr><td colspan="2">Improve/Go Green
Based on the feedback you have received from your Unit 1-3 assessment, perform the following tasks:
• Do you analysis on weaknesses
• Redo questions that were not completed to gain full marks
• Write revision notes with a green pen</td></tr>
<tr><td colspan="2">Autumn 2 Assessment: Unit 1-6</td></tr>
</table>

<table>
<tr><td>Subject: Mathematics</td><td>Year Group: 9</td></tr>
<tr><td>Spring 1 – Curriculum Plan</td><td>Homework Plan</td></tr>
<tr><td rowspan="4">Foundation:

Angles :
• Angles facts
• Triangles
• Angles in a polygon
• Regular polygons
• Angles in parallel lines
• Special quadrilaterals
• Bearings

Perimeter, Area and Volume:
• Rectangles
• Compound shapes
• Area of a triangle
• Area of a parallelogram
• Area of a trapezium
• Circles
• The area of a circle
• Answers in terms of π
• Volume of a prism
• Cylinders

Higher:
Angles :
• Triangles
• Angles in a polygon
• Regular polygons
• Angles in parallel lines
• Special quadrilaterals
• Scale drawings and bearings

Perimeter, Area and Volume:
• Circumference and area of a circle
• Area of a trapezium
• Sectors
• Volume of a prism
• Cylinders
• Volume of a pyramid
• Cones
• Spheres</td><td><u>Embed</u>
PiXL/ Maths homework on a weekly basis on units being covered in class</td></tr>
<tr><td><u>Apply</u>
Confidently solve exam questions by skills acquired in lessons</td></tr>
<tr><td><u>Challenge/Interleaving</u>
Exam Questions practice on topics covered in Autumn 2</td></tr>
<tr><td>Improve/Go Green
Based on the feedback you have received from your Unit 4-6 assessment, perform the following tasks:

• Do you analysis on weaknesses
• Redo questions that were not completed to gain full marks
• Write revision notes with a green pen</td></tr>
<tr><td colspan="2">Spring 1 Assessment: Unit 4-6</td></tr>
</table>

<table>
<tr><td>Subject: Mathematics</td><td>Year Group: 10</td></tr>
<tr><td>Spring 1 – Curriculum Plan</td><td>Homework Plan</td></tr>
<tr><td rowspan="4">Higher:
Advanced Probability:
• Choices and Outcomes
• Addition rules for outcomes of events
• Combined events
• Tree diagrams
• Independent events
• Conditional probability

Circle Theorems :
• Circle theorems
• Cyclic quadrilaterals
• Tangents and chords
• Alternate segment theorem

Foundation:
Right-angled triangles:
• Pythagoras’ theorem
• Calculating the length of the shorter side and real life
• Pythagoras’ theorem and isosceles triangles
• Trigonometric ratios
• Calculating lengths angles using trigonometry
• Trigonometry and bearings

Probability:
• Combined events
• Two-way tables
• Probability and Venn diagrams
• Tree diagrams

-</td><td><u>Embed</u>
PiXL/ Maths homework on a weekly basis on units being covered in class</td></tr>
<tr><td><u>Apply</u>
Confidently solve exam questions by skills acquired in lessons</td></tr>
<tr><td><u>Challenge/Interleaving</u>
Exam Questions practice on topics covered in Autumn 2</td></tr>
<tr><td><u>Improve/Go Green</u>
Extended assignment on Autumn 1 and 2 topics to check pupils’ understanding. From the assessment pupils will redo strategic questions and compile key revision notes.</td></tr>
<tr><td colspan="2">Spring 1 Assessment:
Higher: Unit 17and 18
Foundation: Unit 16 and 17</td></tr>
</table>

<table>
<tr><td>Subject: Mathematics</td><td>Year Group: 11</td></tr>
<tr><td>Spring 1 – Curriculum Plan</td><td>Homework Plan</td></tr>
<tr><td rowspan="4">(Unit break down and list of objectives)

Higher: Areas of Weaknesses
Translation of functions
Trig graphs
Quadratics needing rearranging
Inverse functions
Non-linear simultaneous equations

Foundation: Foundation Weaknesses
Quadratic graphs: drawing and interpreting
Volume of prism
Scale factor
Changing the subject</td><td>Embed
Learn to apply skills gained in unit 1 and 2 in solving problem tasks aiming for grade 5+Higher/3+Foundation

Doddle/PiXL Maths homeworks on a weekly basis on units being covered in class</td></tr>
<tr><td>Apply
Confidently solve exam questions by skills acquired in lessons.</td></tr>
<tr><td>Challenge/Interleaving
Exam questions discussed to test skills acquired in lessons(1 problem solving project per lessons)</td></tr>
<tr><td>Improve/Go Green

Based on the feedback you have received from your Autumn 1 Exams, perform the following tasks:
• Do you analysis on weaknesses
• Redo questions that were not completed to gain full marks
Write revision notes with a green pen</td></tr>
<tr><td colspan="2">Spring 1 Assessment:
Termly Assessment with Question Level Analysis</td></tr>
</table>