

**Teaching and Learning Content: Mathematics**  
**Year Group: 7**  
**Spring Term – Half Term 4**



<p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>• Statistics</li> </ul>	
<p><b>Home Learning:</b>          Students are expected to complete one piece of home learning every week as well as addressing areas that they have recorded as requiring further attention via their Personal Learning Checklist. The PLC links to corresponding MathsWatch clips and practice questions</p>	
<p><b>Key Questions:</b></p> <ul style="list-style-type: none"> <li>• For this data set; 2, 2, 3, 5, 6, 18</li> <li>A) Calculate the range, mode, median and mean.</li> <li>B) Which number appears to be an outlier?</li> <li>• When constructing bar charts, what features should be included?</li> <li>• If a key for a pictogram shows that a circle represents 8 goals, how could you represent 4 goals?</li> <li>• A pie chart represents the lunch choices of 400 pupils. What size sector would be required for 40 pupils choosing to eat at home?</li> <li>• In order to maximise potential sales, which average would be most suitable for a shop keeper selling shoes?</li> </ul>	<p style="text-align: center;"><b>Diagnosis</b></p> <ul style="list-style-type: none"> <li>• 10 question diagnosis tests for each half term</li> <li>• Retrieval activities from knowledge organisers like starter quizzes</li> <li>• Mini whiteboard activities</li> </ul>
	<p style="text-align: center;"><b>Therapy</b></p> <ul style="list-style-type: none"> <li>• Sharing model responses (teacher/student led feedback)</li> <li>• DIRT tasks</li> <li>• Peer to peer support in lessons</li> <li>• Specific highlighted lessons for students</li> </ul>
<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Understand and be able to calculate mode, median, mean and range.</li> <li>• Read data from tables</li> <li>• Draw, read and interpret bar charts.</li> <li>• Draw, read and interpret pictograms</li> <li>• Draw, read and interpret stem and leaf diagrams</li> <li>• Read data from pie charts where data is in simple sectors, extract and infer data.</li> <li>• Create and use tally charts.</li> </ul>	<p style="text-align: center;"><b>Testing</b></p> <ul style="list-style-type: none"> <li>• Students will complete an assessment each half term from which they will receive a detailed QLA to continue to highlight areas of weakness into the next half term.</li> </ul>