

# Islip Manor High School

## Scheme of Learning Overview



This scheme of learning has been designed to ensure that you make progress, develop, and master key knowledge, skills, and ideas through academically rich content that reflects, values, and celebrates the diverse experiences, identities, and contributions of our school community.

<b>Year group:</b> 9 (Foundation)	<b>Term:</b> Spring	<b>Unit duration:</b> 2 weeks	<b>Unit title:</b> <b>Unit 3c - Pie Charts</b>		
<b>Unit assessment:</b> End of Unit Assessment					
<b>Fertile question:</b> Does a bigger sector always represent a bigger frequency?					
<b>Key skills/concepts/knowledge that students should cover</b>			<b>Start RAG</b>	<b>End RAG</b>	<b>Literacy. Key vocabulary/subject terminology that students should cover:</b>
<ul style="list-style-type: none"><li>• Draw circles and arcs to a given radius</li><li>• Know there are 360 degrees in a full turn, 180 degrees in a half turn, and 90 degrees in a quarter turn</li><li>• Measure and draw angles, to the nearest degree;</li><li>• Construct pie charts for categorical data and discrete/continuous numerical data</li><li>• Interpret simple pie charts using simple fractions and percentages; and multiples of 10% sections</li><li>• From a pie chart find the mode and the total frequency</li><li>• Understand that the frequency represented by corresponding sectors in two pie charts is dependent upon the total populations represented by each of the pie charts.</li></ul>					Circle Arc Degrees Pie Chart Categorical data Discrete Continuous Mode Frequency
<b>Stretch. Key skills/concepts/knowledge that students should cover</b>					
Apply knowledge and skills to exam-style questions.					
<b>Suggested materials teachers could/should use:</b> Mathsbox, corbettmaths, mathsgenie, DrAustinMaths Mini whiteboards					
<b>Key home learning tasks students should complete:</b> SPARX Maths					