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**Mathematics Faculty**

**Year 7 Autumn Term 2 – Pi Scheme**

**Unit 4 Overview - Representing and Interpreting Data**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Representing and Interpreting Data** | I can interpret and construct dual bar charts. |  |  |  |
| I can interpret and construct vertical line graphs. |  |  |  |
| I can interpret and construct line graphs. |  |  |  |
| I can interpret and construct simple pie charts. |  |  |  |
| I can group data into equal class intervals. |  |  |  |
| I can interpret and construct grouped frequency tables. |  |  |  |
| I can interpret and use timetables. |  |  |  |
| I can find the mean, median, mode and range of a set of data. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Interpreting and constructing dual bar charts (CM clips 147 & 148) | Formative assessment strategies e.g. MWBs, whole class questioning, Diagnostic Questions, SLOP time with self-assessment, Live Marking etc.  Assessment is also supported with our use of ILOs, set through Century Learning and Corbettmaths.  Finally, units are assessed through skills checks and half termly assessments, as part of our Assessment Calendar in Mathematics. | dual bar chart, interpret, construct, data, axis, label, title |
| **2** | Interpreting and constructing vertical line graphs. | vertical line graph, interpret, construct, data, axis, label, title |
| **3** | **Interpreting and constructing line graphs** (CM clip 160) | line graph, interpret, construct, axis, label, title |
| **4** | Interpreting simple pie charts (CM clip 164) | pie chart, frequency, sector, angle, interpret |
| **5** | Constructing simple pie charts (CM clip 163) | pie chart, frequency, sector, angle, construct |
| **6** | Grouping data into equal class intervals. Interpreting and constructing grouped frequency tables. | data, discrete, continuous, interval, frequency, table, grouped |
| **7** | **Interpreting and using information from timetables** (CM clip 320) | timetable, interpret |
| **8** | Calculating the mode and median of sets of data (CM clips 50 & 56) | data, average, median, mode |
| **9** | Calculating the mean and range of sets of data (CM clips 53 & 57) | data, average, mean, range, spread |