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| **Year 7 Term 4.1 - Maths** |  |
| **Enquiry Question: What’s between whole numbers on a number line?** |
| **Unit title: Rational Numbers****Why now?** This unit lets you experience different ways of **collecting, using, and representing data** which represents your world.  This unit creates the foundations into data. We then explore this in more detail when you learn about **averages and spread** in **year 9** and explore the key mathematical idea of f**requency** in **year 10**. |
| **Knowledge**Students will know about… | **Application/Skills**Students will be able to… | **Vocabulary***(Tier 2 and 3)* | **Home** **Learning** | **Assessment** | **Extra Resources****Extended Reading** | **Cultural** **Capital** |
| 1. Collecting data- questionnaires, digital sources
2. Representing data- pictograms, infographics. bar and vertical line charts, pie charts, two-way tables
3. Calculating with and interpreting data- common errors, drawing conclusions, communicating
 | 1. Collect data
2. Read data
3. Interpret data
4. Plot data in a graphical form.
 | ***Tier 2***DataQuestionnaireDiscreteContinuousinfographics***Tier 3***ChartsPictogram | **Pre-classroom:**Pre-lesson tasks on **google classroom** to get you thinking.Diagnostic questions**Post-Classroom:**Post lessons online tasks:* My Maths
* Google Form Quizzes
* Independent learning notes
 | Formative assessment at the end of the units in their LPS books. This will be a combination of students presenting what they know in a creative way followed by some differentiated questions. Summative Assessment at the end of T2.  | **Enrichment:** Go to this website and use its infographic maker to design your own! <https://www.canva.com/> | **Cultural Capital:** Read and interpret as many of the graphs about Poplar in this document. Can you list all the different types of graphs used? <https://www.towerhamlets.gov.uk/Documents/Borough_statistics/Ward_profiles/Poplar-FINAL-10062014.pdf> |
| **Numeracy**ProductSumTotalAddSubtractDifference |