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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***  Data  Questionnaire  Discrete  Continuous  infographics  ***Tier 3***  Charts  Pictogram | **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**  Product  Sum  Total  Add  Subtract  Difference |