

Year 8

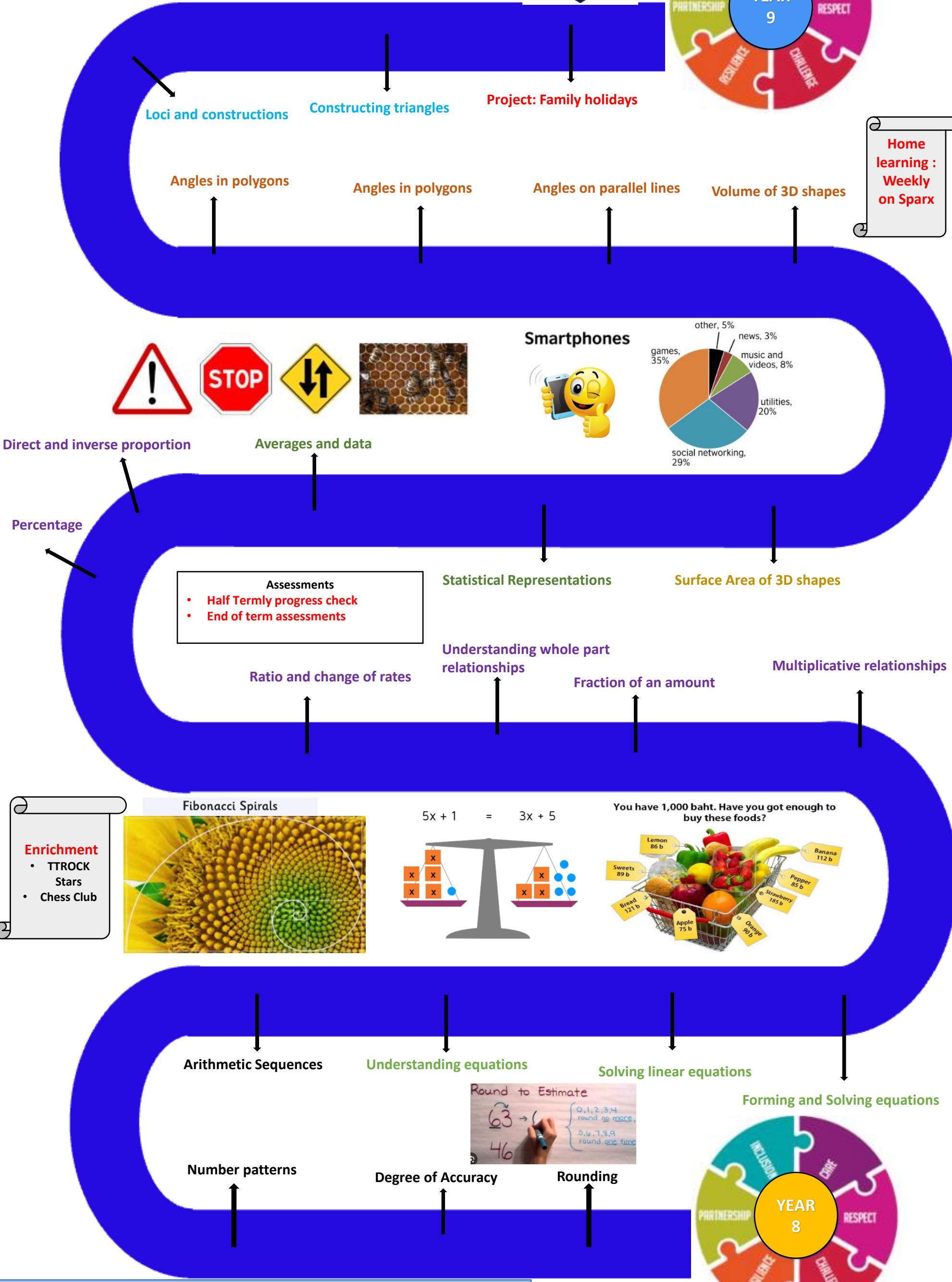
- Links to careers/SMSC/Personal Development:**
- Maths in Nature is embedded in sequences, patterns and symmetry in year 8 students will explore the Fibonacci sequence and learn how many things follow similar number pattern
 - Celebrate Pi day and show appreciation to Maths and Science
 - UKMCT challenge for year 8 to develop problem solving skills
 - World numeracy day to promote the love and appreciation of numeracy skills to use in daily life
 - Maths related careers when specific topic is taught



LEARNING JOURNEY



Home learning : Weekly on Sparx



- Enrichment**
- TTROCK Stars
 - Chess Club

Year 8 learning summary: Rationale

- In Year 8 we will explore the following:
- a strong sense of the size of numbers and be able to use various methods of rounding, especially when giving answers in context
 - non-numerical (shape) and numerical sequences, noticed a pattern, described the pattern in words and found the next term in the sequence from the previous term
 - generate and generalise linear sequences
 - the Fibonacci sequence and its relevance in the world around us
 - a variety of strategies to solve linear equations
 - the use of percentages, fractions, proportionality and ratio in context
 - the way to develop knowledge of calculating measures of central tendency to include the mode and median, work with grouped data, and be introduced to a measure of spread in statistics.
 - how to investigate the surface area of prisms and calculate their volumes
 - how to develop angle reasoning in parallel lines and investigate the angles in polygons