SPALD MATHS LEARNING JOURNEY: *developing an enjoyment and confidence in the subject as well as an understanding of how it is relevant to the world around us.*

YEAR 11

Level 1 Award

- Exams
- Time — Can I convert between units of time eg minutes into hours?
- Perimeter, area, Volume — Can I work out the area and perimeter of shapes made from rectangles?
- Fractions, decimals, percentages — Can I work out simple percentages of quantities, including VAT?
- Number — Can I understand and use multiples?
- Tables and charts — Can I read and draw timetables?
- Measures — Can I convert units of measure in the metric system?
- Decimals — Can I round a decimal number to one decimal place?

YEAR 10

Level 1 Award

- The 4 Operations — Can I check solutions to word problems by thinking about if the answer makes sense?
- Decimals — Can I read and write decimals up to two decimal places and understand place value?
- Measures — Can I remember and use imperial and metric units of measure for length, weight and capacity?
- Tables and charts — Can I read and draw bar charts and line graphs?
- Number — Can I understand and use multiples?
- Fractions, decimals, percentages — Can I use equivalencies between decimals, fractions and percentages? eg 25% = 1/4 = 0.25
- Perimeter, area, Volume — Can I work out the area and perimeter of shapes made from rectangles?
- Time — Can I read, measure and record time using analogue and digital clocks in 12 and 24 hour format?

YEAR 9

Entry level 3

- The 4 Operations — Can I choose the correct calculation to solve real life situation word problems?
- Ratio — Can I work out any fraction up to 1/10 of any number up to 100?
- Measures — Can I convert standard units of length, capacity and weight? Eg centimetres into metres
- Geometry — Can I recognise and name prisms, cylinders and cones?

YEAR 8

Entry level 3 exam

- Properties of Number — Can I round numbers up to 1000 to the nearest 1000?
- Statistics — Can I solve one-step and two-step problems based on information from graphs or lists?
- Money — Can I solve real life problems about what to buy and how to pay for it?
- Time and Calendar — Can I read the time to the nearest 5 minutes on an analogue clock?
- The 4 Operations — Can I choose the correct calculation to solve real life situation word problems?

YEAR 7

Entry level 1 & 2

- Ratio — Can I find 1/2, 1/3, 1/4 of numbers up to 24?
- Measures — Can I choose the correct units of capacity, weight and length?
- Geometry — Can I describe the properties of 3D shapes?
- Money — Can I give change from £1.00?
- Time and Calendar — Can I read the time to O'clock, half past, quarter to and quarter past?
- Statistics — Can I read simple tables, diagrams, lists and graphs?
- The 4 Operations — Can I use +, -, x, = in real life situations for solving problems?
- Properties of Number — Can I round numbers up to 100 to the nearest 10?

WHAT DO WE RETURN TO ON OUR LEARNING JOURNEY?

- Understanding maths as relevant to a range of real life contexts.
- Using mathematical terminology.
- Reading like a mathematician. (RUCSAC: Read, Understand, Choose, Solve, Answer, Check)
- Concepts / Ideas
- Skills
- Use of manipulatives and visuals to aid problem solving.
- Communicating and sharing ideas.