Explorer Curriculum – Building block to Formal Curriculum

- The building block before a fully formal curriculum.
- Strong focus on Early Literacy and Numeracy.
- Key skills and knowledge to understand the world around them.
- Functional Skills to apply basic knowledge.
- For children with moderate learning difficulties, autism and other learning needs. Learning takes place through tangible 'real life situations' with regular revisiting of learning.
- Students follow an Entry Level (1-3) Pathway at KS4 and KS5.

8E - Explorer Curriculum – *Maths*

	2020 – 2021 Autumn 1	**2020 – 2021 Autumn 2**	**2020 – 2021 Spring 1**	**2020 – 2021 Spring 2**	**2020 – 2021 Summer 1**	**2020 – 2021 Summer 2**
	Topic: Number & place value. Measurement Key Questions: Can you identify one more and one less? Can you read and write numbers from 1 to 20 in numerals and words? Can you read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs?	Topic: Number multiplication and division. Geometry (measurement) Key Questions: Can you count up in twos? Can you count up in fours? Can you share small quantities? What is sharing? What are multiples? What is a remainder? Which is taller? Which is shorter? Whish is double in	Topic:Measurement.(time) And statistics Key Questions: Can you tell the time to the hour and half past the hour and draw the hands on a clock face to show these times? Can you put a simple pattern together? What is a sequence? Can half of a pattern be repeated? Are certain angles being created in the sequence	Topic: Number & place value. . Key Questions: Can you count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number? Can you add and subtract one-digit and two-digit numbers to 20, including zero? What are tenths? What are hundredths? Which numbers are odd? Which numbers are	Topic: Fractions Geometry Key Questions: What is ½? Can you describe when something is ¼ full? Can you recognize, find and name a half as one of two equal parts of an object, shape or quantity? Can you recognise and name common 2-D and 3-D shapes? Can you change the direction of a 2d shape?	Topic Geometry. Key Questions: Name common 2-D and 3-D shapes? I What is a cuboid? Are triangles always the same? How many sides on a particular shape? Which shapes have a line of symmetry? Which sides don't have a line of symmetry? Key skills & knowledge. Recognise and name common 2-D and 3-D

	Can you compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half? Key skills & knowledge.. Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals, count in different multiples including ones, twos, fives and tens • given a number, identify one more and one less Compare, describe and solve practical problems. **Assessment outcomes:** Be able to understand addition is more and subtraction is less. Know when to carry and when to borrow. **Linked To Gatsby Bench Mark:** Jobs in Banks, Cashier supermarket.	size? Which is half in size. Key skills & knowledge. Solve one step problems involving multiplication and division Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, **Assessment outcomes:** Be able to understand sharing is division. Multiplication can be used when buying in bulk (Costco/Tesco shopping).	Key skills & knowledge. Sequence events in chronological order using language (e.g. before, after, next, first, today, tomorrow, morning, afternoon and evening). Tell the time to the hour and half past the hour and draw the hands on a clock face. Recognise and use the language relating to dates, including days of the week, weeks, months and years. **Assessment outcomes:** Describing turns within shapes, knowing concept of clockwise and anti-clockwise. **Linked To Gatsby Bench Mark:** Careers in Carpentry, Gas, Electrics.	even? Can you recognize halves in shapes. Can you find half of a quantity Start to look at quarters in a shape. Solve problems involving fractions. Key skills & knowledge. Read and write numbers 1 to 20 in numerals and words. Recognise the value of each digit in a two digit number (tens, ones). Use place value and number facts to solve problems. Apply increasing knowledge of mental and written methods. **Assessment outcomes:** Know that numbers increase and decrease. Understanding concept of place value.	Can you describe the position of the 2d shape? Key skills & knowledge. Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. **Assessment outcomes:** Awareness of simple fractions and how they are used in sales during Christmas.	shapes, including: • 2-D shapes (e.g. rectangles (including squares), circles and triangles) • 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres) **Assessment outcomes:** Pupils to handle variety of shapes and start to describe some properties. Know simple shape within their environment.