Curriculum intent (overview) – To deepen students' skills and knowledge through a broad and balanced curriculum which prepares students for adulthood.

6.3 Explorer

Promote Facts (keywords)

Rehearsal of key content.

Careful Sequenced topics (demonstrate independently and confidently).

EL2/EL3

GCSE resits.

EL2/3 (https://qualifications.pearson.com/content/dam/pdf/Entry%20Level%20Certificate/Mathematics/2017/specification-and-sample-assessment/9781446932995-entry-level-mathematics-spec.pdf)

AQA 8300 GCSE Specification (https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance)

Year	2022 – 2023 Autumn 1	2022 – 2023 Autumn 2	2022 – 2023 Spring 1	2022 – 2023 Spring 2	2022 – 2023 Summer 1	2022 – 2023 Summer 2

	Topic: **Place value-** **Addition & subtraction.** **Units & Measures: (time)** **EL2/3 (see link)** **GCSE students to follow AQA 8300 GCSE specification.** **Suggested Key Questions:** **Promote basic facts-not overload** Rehearse key words Do you you're your place value? Know addition and subtraction. Do you recognize your halves/quarters? Is it am or pm? Can you tell the time to the hour? **Skills and Knowledge** **Whole Numbers & Calculations:** Start to Add/subtract whole numbers up to 1000 with limted support. **Units & Measures: (time)** Understand and use am/pm method of stating time. Understand and use 12 and 24-hour clock notation. Convert between 12 and 24-hour clock notation	**Topic:** **Place value-addition and subtraction.** **Multiples: Multiplication and division.** **Units & Measures: (Money)** **Leavers & year 14 only:** **Emerging AQA Units 118217/ 116889 Developing AQA Units 116890/ 116636 Secure AQA Units 116639** **Suggested Key Questions:** **Promote basic facts-not overload** Rehearse key words What is doubling? Do you know your multiplications? Do you know your divisions? Do you know your British coins? Do you know your 2d/3d shapes properties? **Key Skills and Knowledge:** **Multiples:** . Know and use multiplication of whole numbers up to 12 x 12 and use this knowledge in multiplication and division problems. Perform simple calculations where the units of quantities are whole numbers of hundreds.	**Topic:** **Place value-addition and subtraction.** **Lists & Outcomes (statistics):** **Revision-specific to child needs-preparation for exam-if sitting GCSE** **Leavers & year 14 only:** **Emerging AQA Units 117250/ 108644/ 118918 Developing AQA Units 118969 Secure AQA Units 117119/ 117172/ 116360** Rehearse key words **Key Skills and Knowledge:** **Whole Numbers & Calculations:** . Understand vocabulary associated with numerical calculations such as sum, difference, share, total, twice, triple. *Limited support* Subtract whole numbers from an intial value no greater than 1000. **Lists & Outcomes:** Complete or extract information from lists with a maximum of two columns or two rows. Complete or extract information from printed lists more than two columns or rows.	**Topic:** **Time** **Ratio & Proportionality** **Revision-specific to child needs-preparation for exam-if sitting GCSE** **Leavers & year 14 only:** **Emerging AQA Units 117250/ 108644/ 118918 Developing AQA Units 118969 Secure AQA Units 117119/ 117172/ 116360** **Promote basic facts-not** **Suggested Key Questions:** **Promote basic facts-not overload** Rehearse key words Can you hade half a shape? Can you shade ¼ of a shape? How many eggs will you need to make a cake for 2/4/6 people? Gateway **Key Skills and Knowledge:** Understand and use am/pm method of stating time. Understand and use 12 and 24-hour clock notation. Convert between 12 and 24-hour clock notation	**Topic:** **Multiples: Multiplication and division.** **Measures (angles)** **Suggested Key Questions:** **Promote basic facts-not overload** Rehearse key words **What is doubling?** Do you know the multiples of 2x tables? Do you know the multiples of 5x tables? What is an acute angle? What is an obtuse angle? **Key Skills and Knowledge:** **Multiples:** Know and use multiplication/division of whole numbers up to 12 x 12 and use this knowledge in multiplication and division problems to estimate using multiplication and division. Perform simple calculations where the units of quantities are whole numbers of thousands or millions. Estimate approximate cost of a list of multiple items to determine if purchases can be made within a stated budget. **Units & Measures:**	**Topic:** **Place value-addition and subtraction.** **Units & Measures: (Height/capacity/weight)** **Leavers & year 14 only:** **Emerging AQA Units 87714/ 110661 Developing AQA Units 70619 Secure AQA Units 110463** **Suggested Key Questions:** **Promote basic facts-not overload** Rehearse key words Can you add across 10/20/100/1000? Can you subtract across 10/20/100/1000? What vertices/edges and sides of a 3d shape? What is symmetry? **Key Skills and Knowledge:** Fluently add whole numbers up to 1000/ Subtract a single-digit number from an initial value no greater than 1000. Fluently add whole numbers up to 1000/ Subtract whole numbers from an initial value no greater than 1000. Fluently darw lines and draw shapes with single vertical lines of symmetry. Understand the terms symmetry, symmetrical. Fleuntly Identify lines and draw shapes which have horizontal and/or vertical lines of symmetry

		Perform simple calculations where the units of quantities are whole numbers of thousands or millions. **Units & Measures:** Order collection of coins and notes. Give change from £5. . Select coins and notes equivalent to an amount of money up to £20. Give change from £20 **Shapes & Solids:** Read scales showing temperatures from zero. Compare positive integer temperatures. Read scales showing temperatures above and below zero and compare temperatures		Proportion. Solve simple problems using systematic analysis e.g. adapt a 2 person recipe for 1 person, 3 people, 20 people, etc.		Understand the terms reflection and reflectional symmetry. Fleuntly recognise simple plane shapes, patterns or pictures that have reflectional symmetry.
Links to Gatsby Benchmarks:	**Benchmark 4** **Links to STEM opportunities and careers involve Mathematics**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**	**Benchmark 4 Links to STEM opportunities and careers involve Mathematics**	**Benchmark 2** **Share key employment statistics of current job market.** **How is the current market useful for mathematic skills?**