## Mathematics

## Curriculum Principles

## By the end of their all-through education, a student of mathematics at Dixons Trinity Chapeltown will:

- know the fundamental skills in mathematics which allow students to understand how to use this knowledge in future learning and employment. These include money management; reading timetables; discovering and understanding patterns in data and being able to solve problems.
- recognise the beauty in sophisticated mathematical methods; be analytical thinkers and have a thirst for mathematical reasoning. On leaving Dixons Trinity Chapeltown, students will have developed fluency in procedures and be keen problem solvers.


## Our uniting 'sentence' is: "The mathematics department at Dixons Trinity Chapeltown allowed students to question and explore the

 beauty of mathematics, leading to the development of resilient and analytical problem solvers."
## In order to achieve a true understanding of mathematics, topics have been intelligently sequenced based on the following rationale:

- the overall aim of the all-through mathematics curriculum is to provide students with the knowledge they need to increase their cultural capital and be successful in their lives beyond the academy. With this in mind, throughout both Primary and Secondary, the schemes of work sequence topics in an order closely following that set out by the 'mathematics Mastery Programme'. Adopting a spiral curriculum, in which topic areas are revisited and extended on a yearly basis, this sequence of learning promotes a deeper understanding of the mathematical concepts being taught, both in-line with the National Curriculum and in the wider domain.
- within the classroom, all through, lessons roughly follow a six-part lesson format: Do Now, New Learning, Talk Task, Develop Learning, Independent Task, Plenary. In basecamp and lower peak, there is more emphasis on 'talk tasks' to develop deeper understanding whilst middle and upper peaks spend more time on practice and application to promote resilience and independence. Secondary lessons in middle peak synthesise knowledge learned in a lesson with an exam question and there is a greater emphasis on this in upper peak to provide students with applied practice, underpinned by real life contexts. In accordance with the curriculum overview, each peak throughout Primary and Secondary promotes a slight variation in pedagogy suitable to the students' developmental stage, whilst continuing to promote ambitious expectations for all pupils and educational equality throughout.
- the concept of interrupting the forgetting process permeates the all-through mathematics long term plan (LTP) and schemes of work (SOW). Interleaving and spaced learning are utilised in several ways. Across each year, new learning is split into units of work, each beginning with quick revision, then focussing on extension and application of similar learning the year before. As a result, students will consistently revisit topics (spaced learning) and interleave concepts throughout their mathematics career. In addition, in base camp and lower peak a daily mathematics meeting begins the learning each day. This focusses on revision of previous concepts using 'call and response' and targeted questioning in order to address students' gaps. Additionally, 'Fluency Fridays' allow Teachers to deliver bespoke intervention with students whilst also ensuring students are fluent in the fundamentals of mathematics. In Secondary, every lesson begins with a 'Do Now', which promotes recall of integral knowledge, along with applied practice, from topics in the previous unit of work, allowing for spaced practice of up to six weeks. In addition, each topic taught has a mini-test and consolidation or extension re-test attached to assess understanding. Staff mark all re-tests and gaps in learning are addressed through global feedback, with opportunity for targeted additional practice. These tests ensure learning is visited repeatedly. Spaced learning through retrieval practice and brain dumps in morning meetings and recall homework from knowledge organisers, are supplementary ways in which the forgetting process is interrupted, leading to true mastery of the mathematical curriculum.

The mathematics curriculum will address social disadvantage by addressing gaps in students' knowledge and skills:
student is exposed to. Additionally, in Secondary, disadvantaged students are supported to succeed in mathematics through prioritised invites to Maths Homework club and Y11 intervention. Run weekly, this provides focussed time with a teacher after school where students can have access to a computer in order to master the skills set in the homework.

- students with special educational needs or disabilities have additional support. Double staffing is used all through to target this cohort to help close any gaps. Such students also receive further intervention in class in the form of DIRT and targeted intervention to close their gaps. Students are also invited to attend maths homework club after school to support them to complete their Sparx Maths. All students access the same curriculum, and we have the highest expectations of all. We teach to the top with scaffolding and support for those who need it in order to allow all students to achieve and experience the very best of what has been thought and said.


## We fully believe mathematics can contribute to the personal development of students at DTC:

- students will be encouraged to develop socially in mathematics lessons through the celebration of making mistakes and setting high expectations helps students to develop listening and speaking skills. Taking part in the weekly Maths Club and opportunities to be a Maths Ambassador also encourage teamwork and problem solving skills. Self-awareness is developed through self-assessment, which enables students to have an accurate understanding of their strengths and weaknesses, to accept them and the understand how to learn from them. Additionally, students are encouraged to tutor other students in Sparx Maths and TTRS clubs, developing further their social interaction skills in a professional manner.
- developing morality is evident in much of the mathematics curriculum where there is reference to real life contexts and students are encouraged to make decisions thus developing an understanding that certain choices may have different consequences and outcomes. One example where this applies is in percentages where comparing interest rates occurs and the role of 'loan sharks' can be discussed. Additionally, topics such as tracking and how the media use misleading statistical diagrams are also addressed.
- encouraging students to question how mathematics impacts the way the world works promotes the spiritual growth of our students. Referring to 'big issues' such as the gender pay gap, birth and death rates, gambling through probability and global warming within contextual questions allows students to have a concrete understanding of where mathematics fits into the bigger picture. Teaching a variety of strategies that allow creativity to blossom (i.e. construction and symmetry) and incorporating enrichment tasks during Maths Week such as money management and sport investigations allow students to develop more than just their problem solving skills in this subject.
- being a universal language, and having phenomena developed all over the world, lends mathematics to promoting cultural capital. Discussion when introducing many topics, such as place value, time, Fibonacci sequences, Pythagoras and Trigonometry to name a few, allows cultural influences to be explored.

At KS2, KS3 and KS4, our belief is that homework should be interleaved revision of powerful knowledge that has been modelled and taught in lessons. This knowledge is recalled and applied through a range of low-stakes quizzing and practice.

## Opportunities are built in to make links to the world of work to enhance the careers, advice and guidance that students are exposed

 to:- the mathematics curriculum provides students with opportunities to consider the world of work and how mathematics leads to successful careers. Each learning intention has a purpose attached for all students to see and, where relevant, the SoW refers to how the skill in question relates to specific careers or a future life context. For example, when teaching constructions, reference can be made to any form of design work or navigational career. Every unit of work also contains a careers spotlight where students are introduced to a variety of careers, which utilise the learning of the unit. Information about qualifications needed, salaries and career progression are also referenced.
- Additionally, map and scale reading skills developed as part of the Duke of Edinburgh Award, which all children participate in, further develops mathematical skill.


## A true love of mathematics involves learning about various cultural domains. We teach beyond the specification requirements, but do ensure students are well prepared to be successful in GCSE examinations:

- built into each Secondary SOW is content that will benefit students in their understanding of the wider impact of mathematics. For example, in Y 7 students will recap telling the time and its Babylonian origins, explore where our place value systems came from and be introduced to Fibonacci and the 'Golden Ratio'. In Y8, students will discover Venn diagrams and the nuances of interest rates through percentages. Y9 and Y10 offer an insight into the history of Pythagoras Theorem and the origins of Trigonometry. Whilst not strictly appearing on the GCSE specification, providing this additional information will allow students to build their cultural capital and deepen their understanding into the true beauty behind the mathematics they learn.
- in Y5 to Y8, students take part in Maths Week during Cycle 1. A variety of enrichment activities are provided to complement their mathematics lessons to allow students to further explore the domain of mathematics. Such activities include Roman Numerals, symmetry in Mandala patterns, code breaking, visits from external companies running problem solving activities and tasks such as 'setting up your life'.


## Mathematics

## Curriculum overview

All children are entitled to a curriculum and to the powerful knowledge which will open doors and maximise their life chances. Below is a high-level overview of the critical knowledge children will learn in this particular subject, at each key stage from Reception through to Year 11, in order to equip students with the cultural capital they need to succeed in life. The curriculum is planned vertically and horizontally giving thought to the optimum knowledge sequence for building secure schema.
Review of topics is a continual process; in Primary, daily Maths meetings recapping knowledge covered in previous units occurs and in Secondary, every lesson has a Do Now that recaps knowledge covered in the last unit covered. All through, these reviews are an opportunity to close gaps of specific students identified through intervention planning and continual effective formative assessment.

|  |  | Knowledge, skills and understanding to be gained at each stage* |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Cycle 1 | Cycle 2 | Cycle 3 |
| $\stackrel{n}{\stackrel{u}{2}}$ | New learning | Early mathematical experiences <br> Classifying; matching; comparing; ordering <br> Pattern, shape and early number <br> Recognise, describe, copy patterns; 3-D shapes; position; count up to 6 objects reliably; one more/one less; concept of zero; addition and subtraction within 6 <br> Measures, length and time <br> Capacity, size and length of every day objects using every day vocabulary; weeks, seasons, time; ordinal language | Numbers <br> Numbers up to 10: count, represent, recognise and order; addition and subtraction, augmentation and reduction <br> Numbers up to 15:explore, represent, count and order; grouping and sharing <br> Numbers within 20: investigate number combinations; ordinal numbers; double and half | Shape and pattern <br> Describe / sort shapes; recognise, continue and create pattern <br> Addition and subtraction <br> Commutativity; comparing two amounts; doubling and halving <br> Money and measures <br> Compare / describe coins capacities, volumes, weights and lengths <br> Number <br> Different representations; recognise and extend a pattern; recognise, compare and say numbers to 50 |
|  | New learning | Number <br> Numbers up to 20: identifying, comparing, ordering, doubling, halving, addition, subtraction and number bonds <br> Shape and pattern <br> Common 2D and 3D shapes; positioning; instructional language | Number <br> Telling the time; exploring calculation strategies within 20; numbers to 50 ; addition and subtraction within 20 <br> Fractions and measures <br> Recognise and find a half, one quarter; compare lengths and masses; measure and record | Number <br> Numbers 50 to 100 and beyond; counting in $1 \mathrm{~s} / 5 \mathrm{~s} / 10 \mathrm{~s}$; place value; add / subtract beyond 20 ; multiply and divide <br> Money and measures <br> Recognise value of coins and notes; add / subtract with money; compare, describe and measure capacity / volume |
|  | New learning | Number <br> Numbers within 100; add and subtract 2-digit numbers; addition and subtraction word problems; multiply and divide by 2 / 5/ 10 <br> Measures and graphs <br> Measuring length: $\mathrm{cm}, \mathrm{m}$; reading scales; tally charts; pictograms; tables; totalling | Number <br> Time; simple fractions of objects; equivalent fractions; 2-digit calculation, including regrouping / adjusting; money <br> Geometry <br> Faces; shapes and patterns; lines; turn; positional language | Number <br> Numbers within 1000; exploring calculation strategies, including mental and formal written methods; multiply / divide by 3 / 4 <br> Measures <br> Capacity and volume measures; appropriate measures for mass; read scales up to 1000 |
|  | New learning | Number <br> Number sense and exploring calculation strategies; place value; rounding; addition; subtraction using various strategies <br> Measures and graphs <br> Interpret data from charts / tables; solve one-step and two-step problems; measure / compare / add / subtract lengths using appropriate units | Number <br> Multiplication and division methods; problem solving; inverse; formal methods of multiply / divide <br> Time and fractions <br> Tell / record / write time in 12-hour using am / pm; use simple fractions; simple fraction calculation methods | Shape and measure <br> Angles; parallel / perpendicular lines; draw and measure 2D shapes; measure using appropriate tools and units <br> Number <br> Securing multiplication and division for 6 and 8 times tables; mental addition / subtraction; numbers beyond 1000 |


|  |  | Knowledge, skills and understanding to be gained at each stage* |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Cycle 1 | Cycle 2 | Cycle 3 |
|  | New learning | Number <br> Reasoning with 4-digit numbers; rounding; addition / subtraction; multiplication / division methods <br> Data <br> Discrete and continuous data; interpret and present using graphical methods | Number <br> Securing multiplication facts; equivalent fraction; add / subtract fractions to more than 1; decimals Geometry <br> Time conversions; calculate perimeter and area of rectilinear shapes | Problem solving <br> Solving problems involving measure and money; fractions and decimals <br> Geometry and pattern <br> Shape and symmetry; position and direction; reasoning with patterns and sequences; 3D shapes |
|  | New learning | Number <br> Reasoning with large whole numbers; integer addition and subtraction; factors; primes; squares; cubes <br> Graphs and geometry <br> Tables and line graphs; perimeter and area of non-rectilinear shapes | FDP <br> Converting between fractions; decimals and percentages; four operations with fractions <br> Angles and transformations <br> Acute; obtuse; reflex, draw and measure angles; angle facts; translations; reflections | Number <br> Solving multi-step problems with whole numbers and decimals using all operations <br> Geometry <br> Unit conversion; regular and irregular polygons; nets of 3D shapes; circles; volume / capacity and cube numbers |
|  | Application and extension of key skills | Integers and decimals addition and subtraction; multiplication and division; calculation problems including algebraic solving | Equivalence; simplification; comparing, ordering and calculation of fractions; missing angles and lengths; coordinates and shapes | Conversions of metric measures; time; area; volume; FDP equivalence; statistical diagrams; averages; proportion problems |
|  | New learning | Unit 1: Algebra <br> Order of operations, algebraic notation, simplifying including expanding and factorising single brackets, negative numbers, substituting, forming expressions, solving 1,2 and 3 -step equations, common sequences, nth term <br> Unit 2: Number <br> Place value, inequalities, comparing numbers, +/-methods, decimals, money calculations, factors \& multiples, HCF \& LCM, product of prime factors, $\mathrm{x} / \div$ methods, decimals, estimation, rounding, perimeter and area including compound shapes, time | Unit 3: Geometry <br> Reading scales, powers of 10, unit conversions, identify, draw \& measure angles, properties of 2D shapes, angle facts, tessellation <br> Unit 4: Fractions <br> Fractions of amounts, converting improper fractions and mixed numbers, simplifying including algebraic fractions, equivalent fractions, four operations including algebraic fractions, comparing, ordering | Unit 5: Percentages <br> Fraction/decimal/\% conversions, ordering fractions/decimals/\%, \% of (calculator and non-calculator), expressing \%, \% increase and decrease |
|  | CEAIG | Careers in animation (Unit 1: linear sequences) and interior design (Unit 2: perimeter) | Careers in astronomy (Unit 3: angles) and catering (Unit 4: fractions of amounts) | Careers in accountancy (Unit 5: \% increase/decrease) |
|  | New learning | Unit 1: Probability and Statistics Averages, probability scale, sample space and listing outcomes, single event probability, probability 'not', frequency trees, pictograms, bar graphs, line graphs, pie charts Unit 2: Number Index laws, powers and roots, Pythagoras' theorem, standard form, prime factorisation for HCF and LCM, set notation, Venn diagrams including problem solving | Unit 3: Algebra Inequalities, complex simplifying including algebraic fractions, formulae, transposing formulae, solving equations involving brackets and with variables on both sides, forming and solving from worded and geometric problems, expanding binomials, factorising quadratics, fractional sequences, problem solving with linear sequences, plotting linear functions from a table <br> Unit 4: 2D Geometry <br> Constructions including triangles, angle facts involving parallel lines, conversions of units including squared and cubed units, composite shapes, area of specific | Unit 5: Proportional Reasoning \% increase/decrease, percentage change, repeated percentage change, simple and compound interest, reverse percentage, rates and ratio, speed/distance/time, density/mass/volume, pressure/force/area <br> Unit 6: 3D Geometry <br> Properties of 3D shapes, nets, plans and elevations, volume of prisms, pyramids and cones, surface area |

Knowledge, skills and understanding to be gained at each stage*

|  |  | Knowledge, skills and understanding to be gained at each stage* |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Cycle 1 | Cycle 2 | Cycle 3 |
|  |  |  | quadrilaterals, circumference and area of circles and part circles |  |
|  | CEAIG | Careers in medicine (Unit 1: statistical diagrams) and ecology (Unit 2: index laws) | Careers in cryptoanalysis (Unit 3: forming and solving) and fashion design (Unit 4: area) | Careers in space travel (Unit 5: speed, distance, time) and architecture (Unit 6: plans and elevations) |
|  | New learning | Unit 1: Statistics <br> Representing data, comparing data sets, scatter graphs, time series and moving averages, MMMR from tables, frequency diagrams including polygons and simple histograms, identifying errors from statistical diagrams <br> Unit 2: Graphs and Proportion Coordinates, mid-points, linear graphs, equation of a straight line, direct/inverse proportion, scales and scale drawing | Unit 3: Algebraic Expressions <br> Arithmetic and geometric sequences nth term, algebraic fractions, transposing formulae involving fctorisation, bionmials, polynomials, factorising quadratics to solve them, difference of two squares, form and solve inequalities Unit 4: 2D Geometry <br> Perpendicular and angle bisectors, loci problems, mixed angle fact problems, angles in polygons, congruence and similarity, similar shapes lengths/areas/volumes, arc lengths, sector areas, geometric proof | Unit 5: Algebra - Graphs <br> Solve linear functions graphically, form and solve inequalities graphically, simultaneous equations, simultaneous equations graphically, quadratic/cubic/reciprocal/ exponential graphs <br> Unit 6: Geometry - Triangles and Transformations Pythagoras, 3D Pythagoras, trigonometry introduction, trigonometric functions, trigonometric graphs, transformations including enlargement by negative and fractional scale factors |
|  | CEAIG | Careers in data analysis (Unit 1: MMMR from tables) and land surveyence (Unit 2: scales) | Careers in computer game design (Unit 3: sequences) and network coverage (Unit 4: loci) | Careers in meteorology (Unit 5: construct and solve inequalities)and surveyance and cartography (Unit 6: Pythagoras) |
|  | New learning | Unit 1: Probability and Statistics Probability of combined events, AND/OR rules in probability, theoretical/experimental probabilities and expected frequency. grouped data, compare data sets, compound measures, SDT graphs <br> Unit 2: Algebra - Graphs <br> Lengths of line segments, equation of a straight line not from a graph, parallel/perpendicular lines, sketching quadratic functions, area under curves, gradient of curves | Unit 3: 3D Geometry and Limits Estimate complex calculations including roots and in context, error intervals, plans and elevations, 3D shapes surface area and volume, cones and spheres, limits of accuracy, upper/lower bounds, percentage error <br> Unit 4: Statistics and Probability Product rule for counting, sampling methods, capture re-capture, bias, probability from Venn diagrams, combined and conditional probability, cumulative frequency, interquartile range, box plots | Unit 5: Number <br> Comples index laws including equations, calculating with standard form, simple and compound interest, growth/decay, estimating roots, surds, ratio problems, converting recurring decimals and fractions <br> Unit 6: Algebra <br> Solving harder quadratic equations through factorising and the quadratic formula, complex algebraic fractions, non-linear simultaneous equations including graphically, function notation <br> Bespoke revision LTP for Foundation path |
|  | CEAIG | Careers in medicine (Unit 1: probability) politics (Unit 2: algebraic argument) | Careers in graphic design (Unit 3: 3D shapes) and market research (Unit 4: sampling) | Careers in banking (Unit 5: growth and decay) and scientific research (Unit 6: complex graphs) |
|  | Application and extension of key knowledge | Unit 1: 2D Geometry <br> Loci problems, bearings, similarity and scale factors, column vectors, vector geometry, 3D trigonometry, exact trigonometric values, sine and cosine rules, sine rule for area <br> Unit 2: Number and Algebra Itteration and recursion, graphing proportion, circle theorems including proof, algebraic and geometric proof, circle functions and tangents, quadratic nth term, transformation of functions, quadratic inequalities | Bespoke revision LTP for each class |  |


|  | Knowledge, skills and understanding to be gained at each stage* <br> Cycle 1 |  |  | Cycle 2 |
| :--- | :--- | :--- | :--- | :--- |$\quad$ Cycle 3

*A powerful, knowledge-rich curriculum teaches both substantive knowledge (facts; knowing that something is the case; what we think about) and non-declarative or procedural knowledge (skills and processes; knowing how to do something; what we think with). There are no skills without bodies of knowledge to underpin them. In some subjects, a further distinction can be made between substantive knowledge (the domain specific knowledge accrued e.g. knowledge of the past) and disciplinary knowledge (how the knowledge is accrued e.g. historical reasoning). Please refer to the DAT Curriculum Principles, published on our website, for further information about how we have designed our all-through curriculum.

Year 1 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cycle 1 | Induction |  |  |  |  |  |  |  |  | Planning days | Y8 expedition |  |  |
|  | Unit 1 <br> Numbers <br> within 10. <br> Shape: 2D | Unit 1 <br> Numbers  <br> within 10. <br>   <br> Number: One <br> more / less  | Unit 1 <br> Numbers  <br> within 10.  <br> Unit $1 / 2$ <br> Keep  <br> up  | Unit 2 Adding and subtracting within 10. Money: coins 1-10 | Unit 2 Adding and subtracting within 10. <br> Time: Using the clock | Unit 6 Time. <br> Time: Using the clock | Unit 6 Time. <br> Unit 3 Shape and pattern. <br> Shape: 3D | Unit 3 Shape and pattern. <br> Number: <br> Counting in 2s | Unit <br> 4 <br> Numbers <br> within 20 <br> Unit 4 Keep up | Unit Numbers within 20 Number: Counting in 10s | Unit <br> Numbers <br> within 20 <br> Unit 4/5 Keep up | Unit 5 Adding and subtracting within 20 <br> Number: 'between 'greater / less | Unit 5 Adding and subtracting within 20 <br> Measure: <br> heavier/ lighter |
|  |  |  |  |  |  |  | Cycle assessment weeks |  | Data input |  | Y7 expedition |  |  |
| Cycle 2 | Unit 5 Adding and subtracting within 20 <br> Unit 7 Keep up | Unit <br> Exploring <br> calculation <br> strategies <br> within 20 <br> Money: 1-50p | Unit <br> Exploring <br> calculation <br> strategies <br> within 20 <br> Number: Swap <br> to Dienes, <br> counting in 10 s <br> and 1s | Unit 8 <br> Numbers to 50 <br> Unit 8 Keep up | Unit 8 <br> Numbers to 50 <br> Number: <br> 'Before’ <br> backwards 0- <br> 50 | Unit 9 Addition and subtraction within 20 <br> Number: <br> Counting in 5 s | Unit 9 Addition and subtraction within 20 <br> Unit 10 Keep up | Unit 10 <br> Fractions <br> Measure: <br> Capacity half /full / empty | Unit 10  <br> Fractions  <br> Money: $£ 1$ and <br> £2 coins / notes | Data day <br> Unit 11 Length <br> and mass <br> Unit 11 Keep <br> up | Unit 11 Length and mass <br> Number: <br> 'between' <br> longer shorter <br> / est | Unit 12 <br> Numbers 50 to 100 and beyond <br> Number: <br> 'Before' <br> backwards 0- <br> 100 | Unit 12 <br> Numbers 50 to <br> 100 and <br> beyond  <br> Unit 12 Keep |
|  |  |  |  |  |  |  |  |  | Cycle assessment weeks |  | Y9 expedition |  | Recognition |
| Cycle 3 | Unit 12 <br> Numbers 50 to <br> 100 and <br> beyond  <br> Shape:  <br> Positional  <br> language, turns | Unit13 <br> Addition and <br> subtraction  <br> within 100  <br> Number:  <br> Balancing  <br> equations  | Unit 13 <br> Addition and  <br> subtraction  <br> within 100  <br> Number:  <br> Missing  <br> number  <br> balanced  <br> equations   <br>   | Unit 13 <br> Addition and  <br> subtraction  <br> within 100  <br> Unit 14 Money  <br> Unit 13/14  <br> Keep up  | Unit 14 Money <br> Money: <br> First/then now adding | Unit 14 Money <br> Number: 3 part equations | Unit 15 <br> Multiplication and division <br> Unit 15 Keep up | Unit $\quad 15$ Multiplication and division Number: Writing digits | Unit 15 <br> Multiplication and division <br> Measure: Using a ruler | Unit 16 <br> Capacity and <br> volume  <br> Unit 16 <br> Keep  <br> up  | Unit 16  <br> Capacity and  <br> volume   <br> Unit 16 Keep <br> up   |  |  |

## Year 2 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cycle 1 | Induction |  |  |  |  |  |  |  |  | Planning days | Y8 expedition |  |  |
|  | Unit <br> Numbers <br> within 100 <br> Place value Counting on \& back in 1s (crossing 10s) | Unit $\quad 1$ Numbers within 100 Place value Writing 2 digit numbers (numerals) | Unit 1 <br> Numbers <br> within 100 <br> Number bonds <br> to 10 <br> Time (hour and half past) | Unit $\quad 1$ Numbers within 100 Unit 2 Adding and subtracting 2 digit numbers Number bonds within 10 3D shapes | Unit 2 Adding and subtracting 2 digit numbers Number bonds within 10 Unit $1 / 2$ Keep up | Unit 2 Adding and subtracting 2 digit numbers Partitioning numbers Interpreting data (tables/ block diagrams) | Unit 3 Addition and <br> subtraction word problems <br> Partitioning numbers Counting on and back in 10 s (from any number) | Unit 3 Addition and subtraction word problems Partitioning numbers Unit 3 Keep up | Unit 7 Time <br> Number bonds <br> within 20 <br> 2 D shapes | Data day <br> Unit 7 Time <br> Number bonds within 20 <br> Measuring <br> using cm | Unit 5 Graphs <br> Partitioning <br> numbers <br> Unit 7/5 Keep <br> up | Unit 5 Graphs Unit $\quad 6$ Multiplication \& division Partitioning numbers Whole/half turns | Unit 6 Multiplication \& division Number bonds within 20 Counting in $2 s$ (number line) |
| Cycle 2 |  | Unit 6 <br> Multiplication <br> \& division <br> Unit <br> 8 <br> Fractions <br> 10x tables <br> Counting in 5 s (number line) |  |  |  |  | Cycle assess | ent weeks | Data input |  | 77 expedition |  |  |
|  | Unit $\quad 6$ Multiplication \& division 10x tables Unit 6 Keep up |  | Unit 8 Fractions <br> 10x tables <br> writing <br> numbers <br> (words) | Revisit <br> Previous <br> Learning <br> Fractions <br> Unit 4 Keep <br> up/8 | Unit 4 <br> Measuring <br> length <br> Fractions <br> Fact families (multiplication \& division) | Unit 9 Add \& subtract 2 digit numbers (exchanging) $2 x$ tables Money: total amounts | Unit 9 Add \& subtract 2 digit numbers (exchanging) $2 x$ tables Unit 9 Keep up | Unit 9 Add \& subtract 2 digit numbers (exchanging) $2 x$ tables Coin recognition (coins \& notes) | Unit 10 Money <br> $5 x$ tables <br> Using the inverse to solve +/- equations | Data day <br> Unit 10 Money <br> 5x tables <br> Unit 10 Keep <br> up | Unit 11: Faces, shapes \& patterns <br> +- (regrouping) <br> Reading scales (divisions of 1s, <br> $2 \mathrm{~s}, 5 \mathrm{~s}$ \& 10s) | Unit 11: Faces, <br> shapes <br>  <br> patterns <br> money <br> Reading <br> temperature <br> on <br> a <br> thermometer | Unit 11: Faces, <br> shapes <br>  <br> patterns <br> money <br> Unit 11 Keep up |
|  |  |  |  |  |  |  |  |  | Cycle assessment weeks |  | Y9 expedition |  | Recognition |
| Cycle 3 | Unit 13: Measuring capacity and volume +- (regrouping) Money: different coins, same amount. | Unit 13: Measuring capacity and volume +- (regrouping) Unit up |   <br> Unit 14: Mass  <br> Fractions  <br> Time: to <br> nearest 5 <br> minutes  | SATS <br> TAF evidence collection <br> Time: <br> calculating <br> durations | SATS <br> TAF evidence collection | SATS <br> TAF evidence collection | SATS <br> TAF evidence collection <br> Reading scales: estimating points | Unit 12 Numbers within 1000 Consolidate place value knowledge Unit 14 Keep up | Unit 15: Exploring calculation strategies Consolidate place value knowledge Unit 12 Keep up | Unit 15: Exploring calculation strategies Consolidate place value knowledge Unit Up upeep | Unit 16: Multiplication \& division $3 x$ and $4 x$ Consolidate place value knowledge Unit 16 Keep up | Unit 16 : Multiplication \& division $3 x$ and 4 x Consolidate place value knowledge |  |

## Year 3 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cycle 1 | Induction |  |  |  |  |  |  |  |  | Planning days | Y8 expedition |  |  |
|  |  |  |  | Unit 1 <br> Sumber  <br> sense and <br> exploring  <br> calculation  <br> strategies  <br> Number:  <br> Nalace  <br> value of digits in  <br> numbers up to 3 d  | Unit 1 Number sense exploring and calculation strategies Number: Nerive multiplication and divisionequations using arays (multiples of 2,5 \& 10) | Unit 1 <br> Sumber  <br> sense and <br> exploring  <br> calculation  <br> strategies  <br> Number: Skip <br> count in intervals  <br> of  <br> Onit, $, 4,5$ and 10  <br> Unit Keep up  | Unit 2 Place <br> Value. <br> Number: <br> Represent <br> multiplication and division <br> calculations with <br> bead string, part- <br> whole model and <br> array <br> representations |  | Unit $\quad 2$ Place Value. Chomber: chaculation strategies for 3- digit addition and subtraction | Unit 2 Place Value. Number: Derive facts from known facts 'If I know..., what else do I know?' (number bonds) | Unit 3 Graphs Number: Doubles and halves Unit 2: Keep up | Unitr 4 Addition and Shabtraction Shape Pattern: and and describe $2-D$ and 3-D shapes according properties | Unit 4 Addition and subtraction <br> Shape and <br> Pattern: Describe <br> position, <br> direction and <br> (straight line <br> movements and rotations <br> including angles) |
| Cycle 2 |  |  |  |  |  |  | Cycle assessment weeks |  | Data input |  | Y7 expedition |  |  |
|  | Unit 4 Addition and subtraction Unit 3/4Keep up | Unit 4 Addition and subtraction Measure: Read scales with 10 and 100 (comparing to increments of 1) | Unit 5 Length and perimeter <br> Measure: Use standard units of measure and know their abbreviations Read temperature on a thermometer |  | Unit $\quad 6$  <br> Multiplication  <br> and division  <br> Meney: Coin <br> recognition of all  <br> coins and  <br> (ites,  <br> (510, $£ 20$ )  | Unit $\quad 6$  <br> Multiplication  <br> and division <br> Numbr:  <br> Recognise that <br> two halves/three  <br> thirds/four  <br> quarters are <br> equal to one <br> whole Count <br> halves  <br> halv, thirds and  <br> quarters within <br> 10  | Unit 6 $\square$ <br> Multiplication <br> and division <br> Unit 6 Keep up Number: Derive facts from known acts (multiplication / addition and subtraction) | Unit 7 Deriving multiplication and division facts <br> Number: Doubles <br> \& halves |  | Unit 7 Deriving multiplication and division facts Unit 7 Keep up Number: Multiply by 10 and 100 recognising the importance place value | Unit 8 Time Data: <br> Read scales in <br> steps of $2,3,4,5$ <br> and 10 | Unit 8 Time Unit <br> 8: Keep up <br> Number: <br> Introduce <br> counting in tenths | Unit 9 Fractions <br> Shape and measure: Identify right angles and that two right angles make a half turn |
|  |  |  |  |  |  |  |  |  | Cycle assess | ment weeks | Y9 expedition |  | Recognition |
| Cycle 3 | Unit 9 Fractions <br> Shape and <br> Measure:  <br> Calculate the <br> perimeter of <br> simple 2-D <br>   | Unit 9 Fractions Time: Tell the time to the nearest minute | Unit 9 Fractions Unit 9 Keep up Time: Tell the time from an analogue clock using Roman numbers I to XII | Unit 10 Angles and shape <br> Number: <br> Recognise equivalent fractions using a fraction wall | Unit 10 Angles and shape <br> Number: Count in <br> halves, thirds, <br> quarters and <br> tenths | Unit 10 Angles and shape Unit 10 Keep up Number: Find fractions | Unit 11 Measures <br> Number: <br> Multiplication <br> and division by 10 <br> and 100 | Unit 11 Measures Number: Derive new facts from known number facts | Unit 11 Measures Unit 11 Keep up Data: Read scales Interpret tallies tables, bar charts and pictograms | Unit 12 Securing multiplication and division <br> Measures: Read scales with intervals of | Unit 13 Exploring <br> calculation <br> strategies and <br> place value <br> perpendicular <br> and parallel lines | Unit 13 Exploring calculation strategies and place value Money: |  |

## Year 4 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  |  |  |  |  | Planning days | Y8 expedition |  |  |
| Cycle 1 |  | Unit 1: <br> Reasoning with <br> 4 Digit <br> Numbers | Unit $1:$ <br> Reasoning with  <br> 4 Digit <br> Numbers  | Unit 2: Addition and Subtraction | Unit 2: Addition and Subtraction | Unit 2 2: Addition and Subtraction | Unit 3: Multiplication and Division | Unit 3: <br> Multiplication and Division | Unit 3: <br> Multiplication and Division | Unit 3 : Multiplication and Division | Unit 4: Interpreting and Presenting Data | Unit 4: Interpreting and Presenting Data | Unit 4: Interpreting and Presenting Data |
|  |  |  |  |  |  |  | Cycle asses | ment weeks | Data input |  | Y7 expedition |  |  |
| Cycle 2 | Revision <br> Unit | Unit 5 : Securing Multiplication Facts | Unit $\quad 5:$ Securing Multiplication Facts | Unit 6: Fractions | Unit 6: Fractions | Unit 6: Fractions | Unit 6: Fractions | Unit 7: Time | Unit 7: Time | Unit $8:$ <br> Decimals  | Unit 8: Decimals | Unit $8:$ <br> Decimals  | Unit 9: Area and Perimeter |
|  |  |  |  |  |  |  |  |  | Cycle asses | nent weeks | Y9 expedition |  | Recognition |
| Cycle 3 | Unit 9: Area and Perimeter | Unit 10: Solving <br> Measure and Money Problems | Unit 10: Solving <br> Measure and Money Problems | Unit 10: Solving <br> Measure and Money Problems | Unit 11: 2-D <br> Shape and Symmetry | Unit 11: 2-D Shape and Symmetry | Unit 11: 2-D Shape and Symmetry | Unit 12: <br> Position and <br> Direction  | Unit $12:$ <br> Position and <br> Direction  | Unit 13: <br> Reasoning with Patterns and Sequences | Unit 13: <br> Reasoning with Patterns and Sequences | Unit 14: 3-D Shapes |  |

## Year 7 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  |  |  | Expedition | Re-induction | Planning days |  |  |  |
| Cycle 1 |  | Baseline Homework Presentation | Unit 1 Algebra <br> Algebraic notation | Unit 1 Algebra Substitution | Unit 1 Algebra Simplifying | Unit 1 Algebra Simplifying | Unit 1 Algebra Solving | Catch Up | Unit 1 Algebra Solving | Unit 1 Algebra Sequences | Unit 2 Number Place value, inequalities and ordering | Unit 2 Number Four operations inc. decimals | Unit 2 Number <br> Four <br> operations inc. <br> decimals |
|  |  | Re-induction |  |  |  | Cycle Asses | ment Weeks | Re-induction |  | Planning days |  |  |  |
| Cycle 2 | Unit 2 Number <br> Factors and multiples | Unit 2 Number <br> Factors and multiples | Unit 2 Number <br> Rounding and <br> estimation | Unit 2 Number Application | Unit 2 Number Application | Unit 3 <br> Geometry Unit <br> conversion | Assessments | Unit 3 <br> Geometry <br> Angle types, estimating, draw and measure | Unit 3 <br> Geometry <br> Properties of triangles and quadrilaterals | Unit 3 Geometry Angle facts | Unit 3 Geometry Mixed angle facts | Unit 4 <br> Fractions <br> Fractions of <br> amounts | Unit 4 Fractions Fraction equivalence |
|  | Re-induction |  |  |  |  |  | Re-induction |  | Cycle assess | ent weeks |  |  | Planning days |
| Cycle 3 | Unit 4 <br> Fractions <br> Four <br> operations <br> with fractions | Unit 4 <br> Fractions <br> Four <br> operations <br> with fractions | Unit 4 Fractions Compare and order fractions | Unit 4 <br> Fractions <br> Worded <br> fraction <br> problems | Unit 5 <br> Percentages <br> Expressing percentages | $\begin{aligned} & \text { Unit } 5 \\ & \text { Percentages } \end{aligned}$ FDP | $\begin{aligned} & \hline \text { Unit } 5 \\ & \text { Percentages } \end{aligned}$ FDP | Unit 5 Percentages Percentage of amounts | Revision and Assessments | Revision and Assessments | Unit 5 <br> Percentages <br> Percentages <br> increase and <br> decrease | Unit 5 Percentages Simple interest | Dream Team Recognition |

Year 8 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  | Cycle Assessment Weeks |  |  | Re-induction | Planning days |  |  |  |
| Cycle 1 |  | Unit 1 Probability and Statistics <br> Probability scales and simple probability | Unit 1 <br> Probability and Statistics Probability NOT and from listing outcomes and frequency trees | Unit 1 <br> Probability and Statistics <br> Calculating <br> MMMR | Unit 1 <br> Probability and Statistics <br> Simple <br> statistical <br> diagrams | Unit 1 Probability and Statistics Pie charts | Catch Up <br> Assessment | Unit 2 <br> Number <br> Index laws | Unit 2 Number <br> Calculating with powers and roots, inc. Pythagoras | Unit 2 Number Standard form | Unit 2 <br> Number <br> Prime <br> factorisation, <br> HCF and LCM | Unit 2 <br> Number <br> Sets and Venn diagrams | Unit 3 Algebra Inequalities |
|  |  | Re-induction |  |  |  |  |  | Re-induction |  |  | Expedition |  |  |
| Cycle 2 | Unit 3 Algebra <br> Complex manipulation | Unit 3 Algebra Complex manipulation | Unit 3 Algebra Formulae | Unit 3 Algebra <br> Forming and Solving | Unit 3 Algebra <br> Forming and <br> Solving | Unit 3 Algebra <br> Sequences | Catch Up | Unit 4 2D Geometry Constructions | Unit 4 2D <br> Geometry <br> Angles in <br> parallel lines | Unit 4 2D <br> Geometry Unit <br> conversion | Catch Up | Unit 4 2D <br> Geometry <br> Area <br> trapezia and <br> compound <br> shapes | Unit 4 2D Geometry Circles |
|  | Re-induction |  |  |  |  |  | Re-induction |  | Cycle assess | ment weeks |  |  | Planning days |
| Cycle 3 | Unit 5 <br> Proportional <br> Reasoning <br> Percentage <br> increase/decrease | Unit 5 <br> Proportional <br> Reasoning <br> Reverse <br> percentages | Unit 5 <br> Proportional <br> Reasoning <br> Compound <br> interest | Unit 5 <br> Proportional Reasoning Ratio | Unit 5 <br> Proportional <br> Reasoning <br> Compound <br> measures | Unit 6 3D <br> Geometry <br> Solids' <br> properties, nets, plans, elevations | Unit 6 3D <br> Geometry <br> Surface area | Unit 6 3D Geometry Volume of prisms | Revision and Assessments | Revision and Assessments | Unit 6 3D Geometry Volume of cylinders, cones and pyramids | Unit 6 3D <br> Geometry <br> Volume of <br> composite <br> prisms | Dream Team Recognition |

## DIXONS

TRINITY
CHAPELTOWN

Year 9 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  |  |  |  | Re-induction | Planning days |  |  |  |
| Cycle 1 |  | Maths <br> Induction <br> Catch Up | Unit $\quad 1$ Statistics Collecting and organising data | Unit 1 Statistics <br> Interpret and <br> compare <br> statistical <br> representations | Unit 1 Statistics MMMR from a frequency table | Unit 1 Statistics <br> Frequency <br> diagrams | Unit 1 Statistics Identifying errors and misconceptions in statistical diagrams | Unit 2 Graphs and Proportion Coordinates and mid-points | Unit 2 Graphs and Proportion Linear functions | Unit 2 Graphs and <br> Proportion <br> Direct <br> proportion | Unit 2 Graphs and Proportion Inverse proportion | Unit 2 Graphs and Proportion Scale | Catch Up |
| Cycle 2 |  | Re-induction |  |  |  | Cycle assessment weeks |  | Re-induction |  | Planning days |  |  |  |
|  | Unit 3 <br> Algebraic <br> Expressions <br> Sequences | Unit 3 Algebraic Expressions Expanding | Unit 3 <br> Algebraic <br> Expressions <br> Factorising | Unit 3 <br> Algebraic Expressions Solving | Unit 3 Algebraic Expressions Solving | Unit 3 Algebraic <br> Expressions <br> Transposing <br> Formulae | Assessments | Unit 4 Geometry Angles Constructions and Loci | Unit 4 <br> Geometry <br> Angles <br> Angles <br> in <br> polygons | Unit 4 Geometry Angles Congruenc | Unit 4 Geometry Angles <br> Similarity | Unit 4 <br> Geometry <br> Angles <br> Arcs and sectors | Unit 5 Algebra <br> Graphs <br> Form and <br> solve <br> inequalities |
|  | Re-induction |  |  |  |  |  | Re-induction |  | Cycle asses | ent weeks | DofE |  | Planning days |
| Cycle 3 | Unit 5 <br> Algebra <br> Graphs <br> Graphing <br> inequalities <br> and <br> identifying <br> regions | Unit 5 <br> Algebra <br> Graphs <br> Simultaneous equations | Unit 5 <br> Algebra <br> Graphs <br> Simultaneous <br> equations | Unit 5 Algebra Graphs <br> Quadratic <br> graphs | Unit 5 Algebra Graphs Other algebraic graphs | Y9 Unit 6 <br> Triangles and <br> Transformations <br> Pythagoras | Y9 Unit 6 Triangles and Transformations Trigonometry | Y9 Unit 6 <br> Triangles and <br> Transformations <br> Trigonometry <br> Extensions | Revision and Assessments | Revision and Assessments | Y9 Unit 6 Triangles and Transformations Transformations | Y9 Unit 6 <br> Triangles and <br> Transformations <br> Transformations <br> Mixed | Dream Team Recognition |

CHAPELTOWN
Year 10 Long Term Plan

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  | Cycle assessment weeks |  |  | Re-induction | Planning days |  |  |  |
| Cycle 1 |  | $\begin{array}{lr}\text { Unit } & 1 \\ \text { Probability } & \text { and }\end{array}$ Statistics <br> Experimental probability | Unit 1 <br> Probability and <br> Statistics  <br> Probability of <br> combined  <br> events  | $\begin{array}{lr}\text { Unit } & 1 \\ \text { Probability } & \text { and }\end{array}$ Statistics <br> MMMR from a frequency table | $\begin{array}{lr}\text { Unit } & 1 \\ \text { Probability } & \text { and }\end{array}$ Statistics <br> Cumulative frequency and box plots | Unit 1 <br> Probability and <br> Statistics  <br> Compound  <br> measures  | Assessments | Unit 2 Algebra Graphs <br> Line segments and equation of a line from coordinates | Unit 2 Algebra <br> Graphs <br> Parallel and perpendicular lines | Unit 2 Algebra Graphs Sketching quadratics | Unit 2 Algebra Graphs <br> Gradient of and area under curves | Unit 3 Limits and 3D Geometry Estimation | Unit 3 Limits and 3D <br> Geometry <br> Bounds of accuracy |
|  |  | Re-induction |  |  |  |  |  | Re-induction | Date input | Planning days | Y7 expedition |  |  |
| Cycle 2 | Unit 3 Limits and 3D Geometry <br> Volume and S.A. | Unit 3 Limits and 3D Geometry <br> Volume and S.A | Unit 3 Limits and 3D Geometry <br> Plans and <br> Elevations and 3D Geometry <br> Applications | Unit 4 Statistics and Probability Populations inc. capture recapture | Unit 4 Statistics and Probability Outcomes inc. product rule and sample space | Unit 4 Statistics and Probability Venn diagrams | Unit 4 <br> Statistics and Probability <br> Probability of combined events | Unit $\quad 4$ Statistics and Probability Conditional probability | Unit 5 <br> Number <br> Index laws inc. equations, fractional and negative | Unit $\quad \mathbf{5}$ Number Standard form calculations | Unit 5 Number <br> Interest inc. <br> growth and <br> decay | Unit 5 Number <br> Surds | Unit 5 Number <br> Surds |
|  | Re-induction |  |  |  |  |  | Re-induction |  | Cycle asses | ment weeks |  |  | Planning days |
| Cycle 3 |  Unit <br> Number 5 <br> Ratio  <br>   | Unit 6 2DGeometryTrig inc.SOGCAHTOA,3D, sine and <br> losine rule, area | Unit 6 2D  <br> Geometry  <br> Loci  | Unit 6 2D  <br> Geometry  <br> Bearings  | Unit $\quad \mathbf{6}$ 2D <br> Geometry  <br> Vectors inc. <br> column and <br> vector  <br>   | Unit 7 Algebra <br> Solving <br> quadratic <br> equations | Unit 7 Algebra <br> Solving quadratic equations | Unit 7 Algebra <br> Algebraic fractions | Revision and Assessments | Revision and Assessments | Unit 7 Algebra <br> Non-linear simultaneous equations | Unit 7 Algebra <br> Function notation | Recognition Dream Team |

## Unit 7: Algebra

Solving harder quadratic equations through factorising and the quadratic formula, complex algebraic fractions, non-linear simultaneous equations including graphically, function notation

## Y11 Mathematics

Long Term Plan 2023/2024

|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Induction |  |  |  |  | Cycle assessment weeks |  |  | Re-induction | Planning days | Mocks | Mocks |  |
| Cycle 1 |  | Year 11 Unit 2 <br> Number and <br> Algebra <br> Iteration and <br> Recursion | Year 11 Unit 2 <br> Number and Algebra <br> Graphing <br> Proportion | Year 11 Unit 2 <br> Number and <br> Algebra <br> Circle Theorems | Year 11 Unit 2 <br> Number and <br> Algebra <br> Function <br> Transformation | Year 11 Unit 2 <br> Number and <br> Algebra <br> Algebraic and Geometric Proof | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | n/a | n/a | Bespoke revision |
|  |  | Re-induction |  |  |  |  | Mocks | Re-induction | Data input | Planning days |  |  |  |
|  | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | n/a | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision |
|  | Re-induction |  |  |  |  |  | Re-induction |  | Cycle asse | ment weeks |  |  | Planning days |
| Cycle 3 | Bespoke revision | Bespoke revision | Bespoke revision | Bespoke revision | GCSE's begin |  |  |  |  |  |  |  |  |

Bespoke revision is created by the class teacher based on the students current gaps.

