North Herts

Education Support Centre

Course Title
Key Stage 3 Mathematics
Overview
Students in Key Stage 3 continue their learning journey building upon knowledge gained in previous years. The primary focus area is Number, ensuring that they have a secure understanding to enable them to use those skills in all other areas of Mathematics. Other topics taught include Ratio, Algebra, Geometry and Measures, Probability and Statistics. At NHESC, our core aim is to build confidence in our students' approach to the subject and provide the opportunity to broaden their subject knowledge, skills and understanding. Work in lessons in based upon the White Rose Education scheme of work and follows a small-step approach breaking the curriculum down into manageable chunks to help students understand the concepts better and avoid cognitive overload. Where appropriate, students will also have one-on-one interventions in individual specific areas.
Outline of the Course
The general aims and objectives of Mathematics in Key Stage 3 are: • build in small steps to consolidate knowledge and boost confidence • deepen understanding by helping students connect, reason and reflect on what they are learning • focus on strengthening skills and strategies, such as numeracy related problem-solving
Assessment details
Work is assessed every two weeks with a 'purple sheet' review on topics taught during that period.
Staff Roles
Teachers – Mrs Bryant, Mr Laing
Equipment/Health and Safety
All necessary equipment is provided by the centre in lessons and basic classroom health and safety expectations apply.
How will it be examined
All topics and skills covered in Key Stage 3 build towards Mathematics GCSE and/or Mathematics Functional Skills Level 2.
Appeals process
N/A

Curriculum Plan	
This table sets out the intended curriculum plan for Mathematics in Key Stage 3. It is based on the Year 8 curriculum of the White Rose Education scheme of work and then adapted depending on the individual progress of the students within the Centre. The plan for each upcoming half term is reviewed in advance based upon the progress that has been made, whilst also taking into consideration the contrasting needs of individuals within each cohort and the impact of external factors on their learning.	
Autumn 1 • Ratio • Proportion and scale • Algebra	**Autumn 2** • Algebra continued • Coordinates and graphs • Multiply and divide fractions • Symmetry
Spring 1 • Area, volume and density • Equations and inequalities • Percentages	**Spring 2** • Percentages continued • Indices • Standard form
Summer 1 • Representing data • Angles in parallel lines and polygons • Probability	**Summer 2** • Circles • Graphs • Sequences