Newport Girls' High School   Learning Overview

Subject:	Mathematics	**Lead Teacher:**	Mr A Heighway	**Year:**	7

Curriculum organisation

Students are taught in form groups of 28 students for threes lesson per week.

What topics will your daughter be studying this year?			**How will your daughter be learning?**
Autumn Term	**Spring Term**	**Summer Term**	
- Algebra – forming and simplifying expressions, coordinates and rules - Number – special numbers and patterns, negatives, properties – highest common factors, lowest common multiples and primes, percentages, decimals and fractions - Data – averages from raw and grouped data - Probability - Shape – perimeter and area, shape transformations, tessellations and polygons	- Algebra – sequences, forming and solving equations, straight line graphs - Number – rounding decimal places and significant figures, estimating, fractions, long multiplication and division, ratio - Data – pie charts, scatter graphs - Shape – volume and surface area, 3D representations, angles	- Algebra – simplifying more complex algebraic expressions, solving linear equations, straight line graphs - Number - Fractions - Data – stem and leaf diagrams, frequency polygons and box plots - Probability - Shape – enlargements, similarity and congruence	- Whole class discussion - Paired work - Worksheets - Problem-solving tasks

Equipment needed for lessons	**What can you do to support your daughter?**
- Standard school stationery - Calculator - Pair of compasses	**Mymaths.co.uk has lessons and practice questions to work through which can be done independently at home**

How will learning be assessed and progress measured?	**Extension & Enrichment opportunities**
- Baseline assessment in Autumn half-term 1 - Students will peer-mark some exercises - Half termly tests - Homework tasks will be marked using the NGHS Marking Policy	**Junior maths challenge**

If you have any questions about this Learning Overview, please contact the named Teacher above.