

Year 11 – Maths

Summary of curriculum

The Smiths Wood Year 11 Mathematics curriculum aims to prepare pupils for GCSE, further study or the world of work.

The curriculum is split into foundation and higher tiers, each class follows a bespoke curriculum plan based on weaknesses identified in their mock exams

Do-Now activities focus on recall of previous learning Students have regular

‘exam based’ lessons focusing on preparation for their mock and real GCSE exams

Revision of all topics from the year 7-11 curriculum as appropriate.

Main topics/skills

New content covered in year 11

Similarity and Congruency

Vectors

Circle Theorems (Higher only)

Algebraic proof (Higher only)

Previously seen content revised in year 11

Pythagoras and Trigonometry

Graphs

Perimeter, area and volume

Transformations and constructions

Quadratics equations and simultaneous equations

Probability

Proportion

Sine and cosine rules (Higher only)

Statistics – sampling, cumulative frequency and histograms (Higher only)

Expanding 3 brackets, graphs of cubics and circles (Higher only)

Assessment throughout the year

Students are set and tiers of entry determined by attainment on mock exams in year 10, November of year 11, and March of year 11. Final decisions on tiers of entry can be made as late as the entry deadline.

Students sit three 1 ½ hour papers in May and June.

How parents can support their child's learning from home.

Your child should now be taking responsibility for ensuring that they have *learned* and remembered the content covered. Stress the need to complete additional practice at home or to ask for extra support from their teacher if they are unsure of anything.

Make sure that your child attends the additional intervention sessions if they are invited to them. These are run weekly on Tuesdays after school by the maths team.

	Ensure that your child is exam-ready in each topic by using the revision packs provided ahead of each set of exams to test them.
Useful websites	Homework is set weekly on www.sparxmaths.com www.corbettmaths.com www.bbc.co.uk/bitesize www.piximaths.com