

Whitstone School  
Maths scheme of Learning:

Key Stage Three:  
White Rose Maths  
Key Stage Four: AQA



## Whitstone Mathematics Curriculum Rationale

*To give all students an enriching journey in Mathematics, which inspires and equips them for life – including an excellent GCSE performance – through a supported, challenging team effort.*

### Key stage Three (y7/8):

We follow the White Rose Maths scheme of learning across Key Stage Three. These schemes embed mastery as an approach to develop and deepen understanding. The WRM model spirals through topics, ensuring that key concepts are regularly revisited and consistently developed and built upon throughout all topic areas.

Assessing understanding is done through 'do now' tasks, regular questioning, student reflection and plenaries. Formally, progress is monitored through the use of cold and hot tasks. At the start of the module, students complete a cold task. This informs teachers of prior understanding for their class for this unit. At the end, they complete a hot task to judge progress and reflect on their understanding of the topic. Results are stored in progress trackers and measured against KS4 target grades. Students also complete one formal assessment three times a year to judge knowledge retention for that long term.

### Key stage Four (y9-11):

Our current year 10 and 11 students follow the three year AQA route map scheme of learning. This ensures they are fully prepared for their GCSE course at the end of year 11. X groups are completing Higher and Y groups are completing Foundation tiers of entry. Current 11X3 are doing a slightly alternative scheme- they were developed as an extra focus group and are focusing specifically on grade 4-6 topics they have previously struggled with- they will mostly be entered for Higher tier.

Our current year 9 and future KS4 groups will be using the WRM schemes combined with the AQA Scheme of learning to continue the mastery approach throughout the school. We have decided to move to this scheme so that the work completed in KS3 feeds directly into KS4, ensuring a fluid and fully spiralled mastery by the end of their GCSE courses.

All KS4 learning is assessed by end of unit tests. These are stored in books with specific formative feedback sheets to help students to make progress. Results are stored in progress trackers and measured against KS4 target grades. KS4 also complete mock exams in years 10 and 11.