

**Maths****YEAR 8**

Lesson(s) per week 3

Homework per week 1

Staff to contact: Ms. S. Robertson**Course content/description**

The Key Stage Three Mathematics curriculum has been designed to promote fluency, confidence and mathematical reasoning. Students work with techniques and concepts involving number, algebra, shape and data through examples, practice exercises and problem solving activities.

The Year 8 programme of learning builds on the work of Year 7, exploring concepts in greater depth and challenging students to apply their mathematics in increasingly complicated ways. Topics typically covered in Year 8 include: working confidently with mixed numbers; ratio and proportional reasoning; solving equations with letters on both sides; plotting graphs of the form $y=mx+c$; finding the areas and perimeters of circles; volume and surface area; working with grouped data; logical thinking. There is also an extended citizenship project where students design and carry out a statistical investigation to challenge stereotypes.

Assessment

Alongside ongoing in-class assessment, students in Year 8 sit three larger tests, one at the end of each term. These are tailored to the level which each student is working at.

Books/other/materials/visits

The course does not follow a single textbook, although we sometimes use the Oxford Framework Mathematics books which are available on Fronter. Most students are issued with a homework book that accompanies this series at the start of the year.

What help can be given at home?

Check your child's homework each week before it is submitted – have they done their best? Use the resources available on Fronter to consolidate work done in class.