

## Department Autumn Newsletter Key Stage 4

### Key Dates

Year 11 mock week commences  
November 21<sup>st</sup>

### Revision Resource 1



[www.mathswatchvle.com](http://www.mathswatchvle.com)

All pupils in Year 10 and 11 have a personalised username and password for this site.

Mathswatch contains video tutorials for all Maths topics, split by grade and topic area. Pupils can follow explanations, see examples and complete questions online.

### Revision Resource 2



interactive practice papers

[www.methodmaths.com](http://www.methodmaths.com)

Method Maths contains past papers from 2012 to present which can be completed online and marked automatically. Pupils can request online hints to help complete the questions, and can access additional resource banks to practice specific target areas.

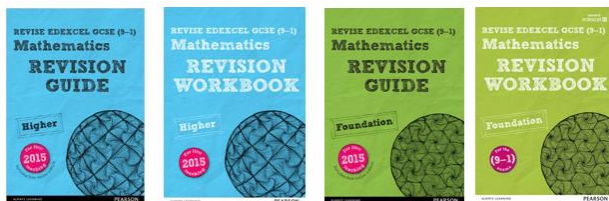
### GCSE Examinations

Pupils work towards GCSE Mathematics throughout Year 10 and 11.

#### Key Information:

Exam Board	Edexcel
Examinations	Paper 1 – Non Calculator (1.5 hours) Paper 2 – Calculator (1.5 hours) Paper 3 – Calculator (1.5 hours)
Tiers of Entry	Foundation (Grade 1-5) Higher (Grade 4-9)

Revision guides and workbooks for both Foundation and Higher tiers are available to purchase via ParentPay.



New style GCSE Question

### Grade 5 Challenge!

On a farm

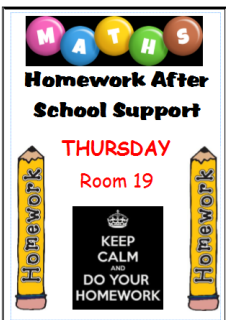
the number of cows and the number of sheep are in the ratio 6 : 5  
the number of sheep and the number of pigs are in the ratio 2 : 1

The total number of cows, sheep and pigs on the farm is 189

How many sheep are there on the farm?



### Additional Maths Support



Maths staff available every Thursday after school for pupils to drop in and ask for support on classwork, homework or revision topics.

#### Grade 7–9 Maths Skills Lab

Wednesday each week

Date	Topic	Start	Stop
28-Sep	Area and Circumference	7:30	8:45
05-Oct	Algebraic Fractions	8:00	9:15
12-Oct (Thurs)	Quadratics – Completing the Square	8:15	9:30
19-Oct	Surds	8:45	10:00
Half Term			
02-Nov	Circle Theorems	8:30	9:45
09-Nov	Trigonometry	8:00	9:15
16-Nov	Number Sequences	8:45	10:00
23-Nov	Area and Volume – similar shapes	8:45	10:00

Sign up: See Mr Farney in Room 18

eat. sleep. revise. And repeat.

Pupils aiming for Grade 7-9 can sign up to attend the weekly skills labs. These sessions cover key topics to support completion of grade 7 to 9 questions in the mock examinations.

# AOM Maths

## Department Autumn Newsletter Key Stage 3

### Autumn Term

Year 7, 8 and 9 are studying a wide variety of Maths topics in the autumn term. See the inside cover of pupil exercise books for a specific list of topics being studied this term.

### **CALCULATORS**

Maths faculty calculator recommendations:



Casio FX-83GTP PLUS



Aurora AX-582BL

### Year 9 – GCSE Statistics

Year 9 will complete a GCSE Statistics in June 2017.

Exam Board	Edexcel
Qualification Structure	25% Controlled Assessment 75% Examination
Examinations	Foundation (1 hour 30 mins) Higher (2 hours)

Year 9 pupils will start working on controlled assessment during lessons in November and December.



### Halloween Brain Teasers



#### 1. Pumpkins

How many pumpkins do I have?  
If I give half of my pumpkins to my friend Tom and then give half of what is left to my friend Zara, I will have 6 left.



#### 2. Cats and Bats

There are 13 animals in the house.  
They are all cats and bats. If there are 3 more cats than bats, how many of each are there?



#### 3. Batty Says Boo

Batty loves saying 'BOO!'  
If he says 'BOO!' 6 times every minute, how many times will he say 'BOO!' in 10 minutes?



#### 4. Spider Patterns

The spiders are playing with numbers.  
Find the pattern and work out what the missing number will be.



### Home Support at Key Stage 3

- All pupils get two pieces of Maths homework each week (one written, one online) – ask your child to explain how they arrived at their answers to help strengthen understanding.
- Each half term pupils will complete an end of half term assessment. These will be glued in pupil books and brought home over the holidays. Encourage your child to watch the video solutions on Moodle for any questions they get wrong and write the corrections in their test papers.

Friday 3<sup>rd</sup> February 2017

# NSPCC

## Number Day 2017

To help celebrate Maths and raise money for the NSPCC pupils will be taking part in Number Day, the NSPCC's national fundraising event for schools.



# MANGA high.com



## Support Club

Every Monday Lunchtime  
12:40 - 13:05  
in SS01

For those struggling with their Mangahigh Homework and those who want to do extra challenges