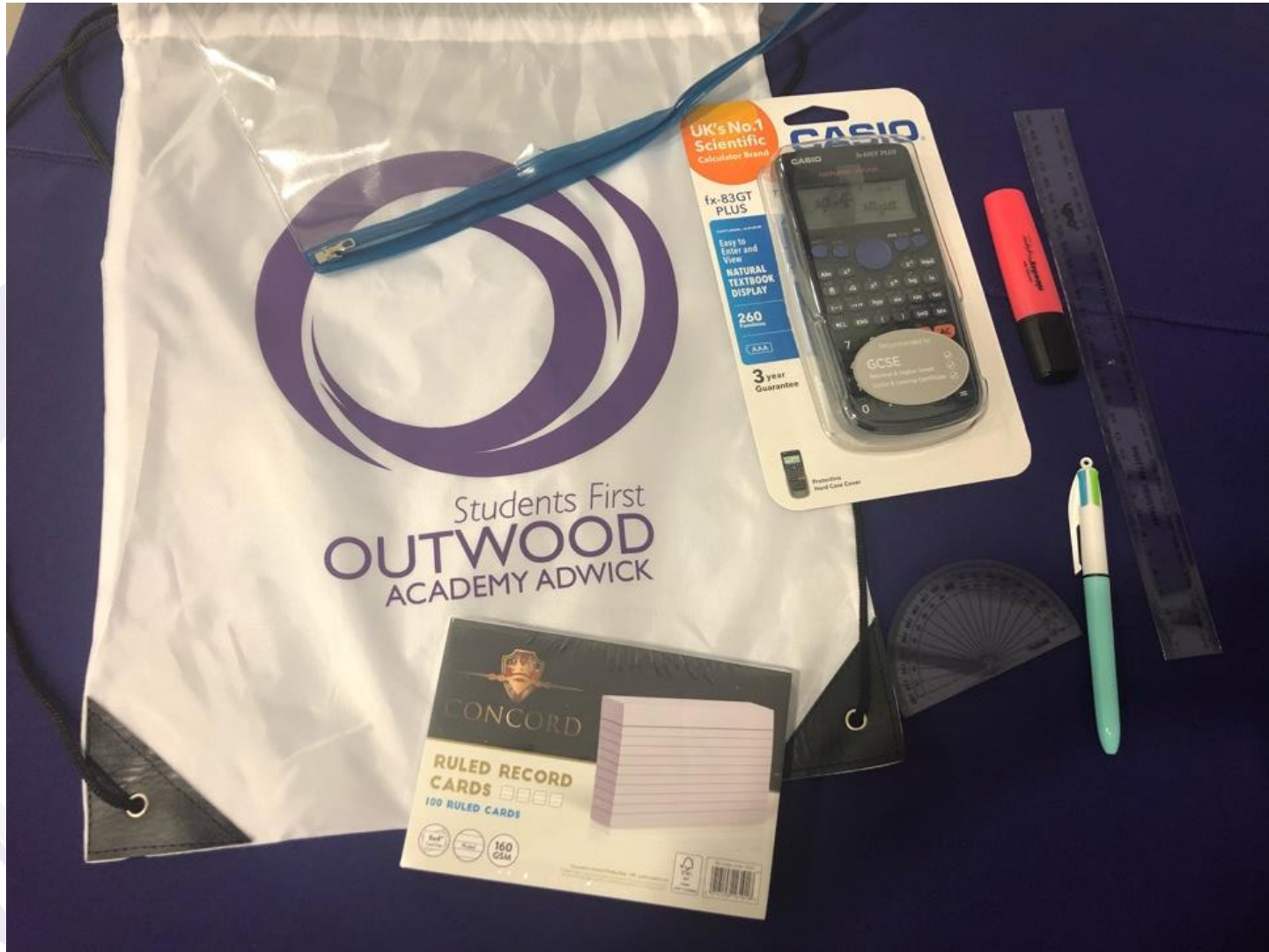


# YEAR 11

## Welcome to the English, maths and science evening 2018

**Lisa Allott**  
**Principal**

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# English at Outwood Academy Adwick

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# Y11 Team

- Laura Vance (Head of Department) – 11X2 and 11Y2
- Anna Bartlett (Second in Department) – 11X1 and 11Y1
- Louise Haigh – 11Y4
- Jenny Crump – 11X4
- Rachel Livsey – 11Y3
- Helen Tyas – 11X3
- Lisa Angus (Associate Director)
- We also have 1 to 1 tutors, VMG and Option!

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# How it works

- Students will receive two results for English on results day
- English Language
- English Literature
- The results of one does not affect the result of the other
- They are both equally important
- They will receive a 9-1 grade in both
- They will also receive a P, M or D for Spoken Language

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# English Language

- Two exams
- Component 1: 1h45m
  - Read a story, write a story
  - 5 Reading questions based on a passage from a fiction text
  - Narrative writing based on a choice of four titles
- Component 2: 2h
  - Read two texts, write two texts
  - 6 Reading questions based on two non-fiction texts (includes two comparison questions)
  - Two pieces of transactional writing

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# English Literature

- Two exams
- Component 1: 2h
  - Romeo and Juliet extract and essay
  - Anthology poetry single poem analysis and comparison
- Component 2: 2h30m
  - An Blood Brothers exploding extract
  - A Christmas Carol exploding extract
  - Unseen poetry single poem analysis and comparison

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# Our Challenges

- Last year 10% of students didn't attempt both pieces of transactional writing
- As a school, we did better nationally by a whole mark on many areas of the exam
- We were above the national average mark for narrative but written accuracy is a huge issue for us
- Overall, 73% of girls achieved a Grade 5+ but 48% of boys did
- The Literature texts need to be known inside out

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# How can you help?

- Help your child to learn quotes from their key texts
- The best versions to watch are:
  - Romeo and Juliet (2013 – Damien Lewis version)
  - Blood Brothers (versions on You Tube/ Theatre)
  - A Christmas Carol (Cartoon – Jim Carey version)
- When they writing at home check and encourage them to check their written accuracy. Especially capital letters, full stops, apostrophes and tense.
- Encourage your child to take every opportunity (Enrichment, holiday sessions etc.)

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# Science Information

Mrs. Alison Lockwood  
Acting Head of Science  
[a.lockwood@adwick.outwood.com](mailto:a.lockwood@adwick.outwood.com)

Mr A Kanwar  
Director of Science  
[a.kanwar@outwood.com](mailto:a.kanwar@outwood.com)

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# What courses do we run?

Core Subject – National Gov. Requirement

Route A: Separate Sciences – 3 GCSE's

Route B: Combined Sciences – 2 GCSE's

Pathway Review

1. Students First
2. Development of 7yr curriculum and pathways
3. Access to FE – A-Levels vs Broad and Balanced Curriculum

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# Triple Science

## Biology

B1 –  
1hr 45

B2 –  
1hr 45

## Chemistry

C1 –  
1hr 45

C2 –  
1hr 45

## Physics

P1 –  
1hr 45

P2 –  
1hr 45

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# Combined Science

## Biology

B1 –  
1hr 15

B2 –  
1hr 15

## Chemistry

C1 –  
1hr 15

C2 –  
1hr 15

## Physics

P1 –  
1hr 15

P2 –  
1hr 15

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## What are the differences?

**Shorter Exams (30min)**

**Higher Attainment (better life chances)**

**33% less content (fewer equations)**

**A-Levels require entry of 5/6 in Science – it is not relevant whether they are Triple**

**We think that some students would have greater success and would have greater confidence in Combined Science vs Triple Science**

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# Additional requirements

Each paper will also assess elements of:

- Working Scientifically
- Mathematical Skills  
(B10%:C20%:P30%)
- Concepts and Principles
- Key ideas
- Required practical activities

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# Working Scientifically

- Development of scientific thinking
- Experimental skills and strategies
- Analysis and evaluation
- Scientific vocabulary, quantities, units, symbols and nomenclature

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# Mathematical skills

<b>1</b>	<b>Arithmetic and numerical computation</b>
a	Recognise and use expressions in decimal form
b	Recognise and use expressions in standard form
c	Use ratios, fractions and percentages
d	Make estimates of the results of simple calculations
<b>2</b>	<b>Handling data</b>
a	Use an appropriate number of significant figures
b	Find arithmetic means
c	Construct and interpret frequency tables and diagrams, bar charts and histograms
d	Understand the principles of sampling as applied to scientific data (biology questions only)
e	Understand simple probability (biology questions only)
f	Understand the terms mean, mode and median
g	Use a scatter diagram to identify a correlation between two variables (biology and physics questions only)
h	Make order of magnitude calculations

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# Mathematical skills

<b>3</b>	<b>Algebra</b>
a	Understand and use the symbols: =, <, <<, >>, >, $\propto$ , ~
b	Change the subject of an equation
c	Substitute numerical values into algebraic equations using appropriate units for physical quantities (chemistry and physics questions only)
d	Solve simple algebraic equations (biology and physics questions only)
<b>4</b>	<b>Graphs</b>
a	Translate information between graphical and numeric form
b	Understand that $y = mx + c$ represents a linear relationship
c	Plot two variables from experimental or other data
d	Determine the slope and intercept of a linear graph

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# Mathematical skills

<b>4</b>	<b>Graphs</b>
e	Draw and use the slope of a tangent to a curve as a measure of rate of change (chemistry and physics questions only)
f	Understand the physical significance of area between a curve and the x-axis and measure it by counting squares as appropriate (physics questions only)
<b>5</b>	<b>Geometry and trigonometry</b>
a	Use angular measures in degrees (physics questions only)
b	Visualise and represent 2D and 3D forms including two dimensional representations of 3D objects (chemistry and physics questions only)
c	Calculate areas of triangles and rectangles, surface areas and volumes of cubes

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# Required Practical Activities

- 21 required practical activities
- 7 for each of Biology, Chemistry and Physics
- Focus on different apparatus and techniques
- Exams will include questions (15%) that assume students' have completed the practical work

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Students are required to learn 21 equations

- What is the equation that links A, B and C?
- Use your equation to calculate B



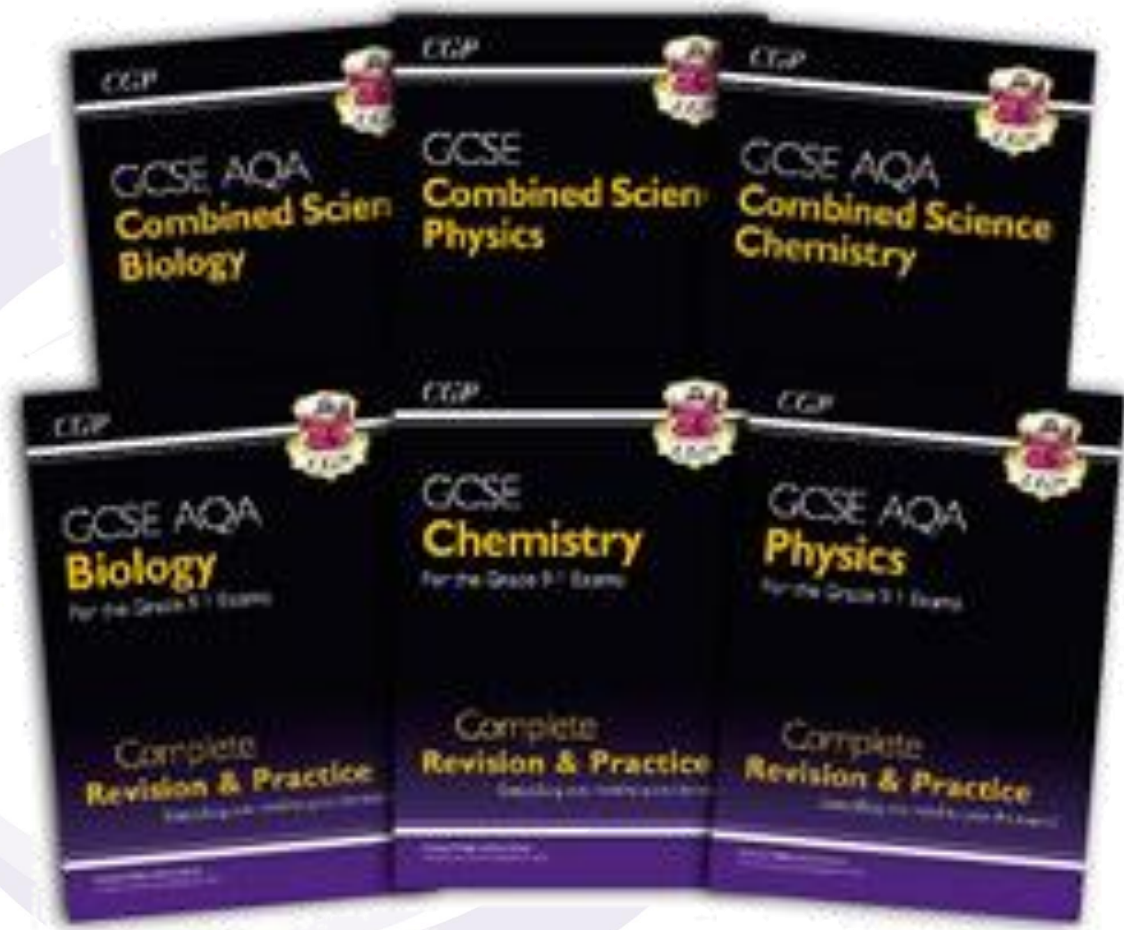
# What do we offer?

- 6 lessons per week
- Weekly Educake homework. Set every Monday and due the following Monday. Essential for improving recall in preparation for the exams.
- Option lessons
- 1-2-1 tuition
- VMG
- After-School Enrichment Science - **Wed**
- Revision guides
- Holiday past paper revision packs.

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# The revision guides



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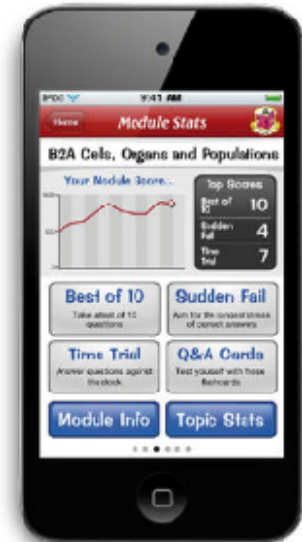
## GCSE Science Apps

### Fantastic CGP Test & Learn apps for GCSE Science

Our revision apps for iPod Touch, iPhone, iPad and Android devices are brilliant for testing your GCSE Science knowledge — wherever you are!

Each app includes...

- **Hundreds of multiple-choice questions** (with quick explanations of each answer)
- **Course specific coverage** — for AQA, Edexcel, OCR Gateway and OCR 21st Century
- **Three brain-tickling game types** — Best of 10, Sudden Fail and Time Trial
- **Over 300 Q&A cards** to test you on the important facts
- **Progress tracking** to show you how you're performing in each topic
- **Achievement Awards** that you can post to Facebook
- **CGP Revision Guide** page references for more info on each topic



Choose from five GCSE Science subjects



We've got apps for GCSE Core Science, Additional Science, Biology, Chemistry and Physics.

The full versions are just £1.49 each, or you can try out a brilliant Lite App for free! Click on an icon below to find out more and buy from the App Store.

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# What do we need?

## **Students:**

Attendance, commitment and perseverance

## **Parents:**

Support and challenge

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## Mock exam dates

WC 24<sup>th</sup> September (3x 1hr 45min exams or 3x 1 hr 15mins)

WC 8<sup>th</sup> January (3x 1hr 15min exams)

WC 26<sup>th</sup> March (6x 1hr 15min exams)

There will also be mocks in Jan and Mar (dates to be confirmed)

## Final exam dates (provisional)

Biology: Paper 1 – Tues 14<sup>th</sup> May 2019

Paper 2 – Fri 7<sup>th</sup> June 2019

Chemistry: Paper 1 – Thurs 16<sup>th</sup> May 2019

Paper 2 – Wed 12<sup>th</sup> June 2019

Physics: Paper 1 – Wed 22<sup>nd</sup> May 2019

Paper 2 – Fri 14<sup>th</sup> June 2019

# 240 Days!

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# Maths at Outwood Academy Adwick

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# Mathematics – meet the staff

Ms Farrow – 11x1

Mr Atkinson – 11y1

Mr Smeaton – 11x2

Miss Carmody – 11y2,11x3

Ms Appleby – 11y3

Mr Langton – 11x4

Mr Rew – 11Y4

Ms Atkins – Associate Director of Maths, OGAT

Mrs Phillips – Director of Maths, OGAT

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# Results 2018

Grade 4+ 69%

Grade 5+ 55%

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9 to 1 not A\* to G

It was

Grade G

Grade C

Grade A

It's now

Grade 1

Grade 4

Grade 7

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## Why did I mention Grade 5?

The new national measure set by the  
Government is 9 to 5 not A\* to C

Employers  
Colleges  
Universities  
Apprenticeships

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# Tier of Entry

Foundation – 1 to 5

Higher – 5 to 9

Students will only do Higher if they can convince us that they have the chance of getting a grade 6

Employers, colleges and universities don't know which tier you took

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## Exams

- 3 papers
- 80 marks each
- Paper 1 is 1hr 30 mins (non-calc)
- Paper 2 is 1hr 30 mins (calc)
- Paper 3 is 1hr 30 mins (calc)

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## Exam Dates

- Paper 1 - May 21st
- Paper 2 – June 6th
- Paper 3 – June 11<sup>th</sup>

\*29 school weeks until the first exam\*

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# Stress

- Important time
- Stressful time
- The more you do, the less stressful it becomes – take advantage of any enrichment and intervention offered
- The earlier you start the less stressed you become
- Talk to us

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# Intervention

- Option Maths – 3 hours every week
- 121 Maths – 1 hour session every week
- VMG Maths – Monday to Friday
  - VMG and 121 will be reviewed every half term
- After School Maths – Every Thursday 2:30 – 3:30

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# Intervention

- **Holiday Packs**
  - Given during the last week before holidays and due in the FIRST Monday back, NO excuses!
- **Holiday Revision Sessions**
  - Easter and May
- **Past Paper booklet**
- **Attendance**
- **Health – Exercise, Breakfast, Hydration, Sleep**

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# Does the intervention work?

## From PS6 in Year 10 to results

- 65 students improved by one grade
- 95 students improved by two grades
- 24 students improved by three grades
- 4 students improved by four grades
- 14 students improved by five grades

## Successes – Just to list a few

- 1 student went from a grade 0 to a 4
- 7 students went from a grade 1 to a 4
- 3 students went from a grade 3 to a 6
- 25 students went from a grade 3 to a 5
- 1 student went from a grade 4 to 8
- 13 students went from a grade 4 to a 6

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# Hegarty – [hegartymaths.com](https://www.hegartymaths.com)

- Set on a Friday and due the following Friday, NO excuses!
- Hegarty workbooks will be checked EVERY Monday by Miss Atkins

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# Praising Stars Assessments

- 3 times in the year
- Results assembly
- Class Analysis Grids

Edexcel Nov 2012 - Foundation Paper 1		Solids - naming & properties	Words to numbers, place value & rounding	Percentage, BIDMAS, Estimate a square root	Measure Angle and draw line accurately	Pictograms	Temperatures	Fraction, decimal, Comparison	Symmetry and rotational symmetry	Probability	Money Problem	Coordinates	Sequences	Simplifying expressions	Bus timetables	Conversion graph	Powers	Solving equations	Stem and Leaf diagrams	Angle Problem	Fraction & Profit problem	Two way table problem	Plan and elevations	Proportion problem	Scatter Graph	Functional Area problem	Questionnaires	Volume of prism	Loci	Ratio problem	Paper 1 Grade	
Question		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
Name		4	3	3	2	4	4	4	2	3	4	3	4	4	4	4	2	2	1	0	0	0	0	0	0	4	2	3	3	4	100	
		3	3	1	2	4	4	3	2	1	4	4	4	4	4	2	0	1	0	0	0	0	0	0	0	0	2	0	1	0	50	F
		3	3	1	2	4	4	3	2	1	4	4	4	4	4	2	0	1	0	0	0	0	0	0	0	0	2	0	1	0	60	D
		4	3	2	2	4	4	1	2	2	4	2	2	2	2	0	1	2	4	0	0	0	0	0	1	0	0	0	0	0	51	F
		3	2	1	1	4	4	3	2	0	2	2	2	3	4	1	0	2	4	0	4	4	0	0	2	0	0	0	0	0	50	E
		3	3	2	2	4	4	4	2	3	4	1	4	3	6	0	0	2	4	0	0	4	0	0	1	0	0	0	0	0	59	D
		4	3	2	2	4	4	3	2	1	0	3	2	4	2	0	4	1	1	1	1	0	0	0	3	0	0	0	0	0	46	F
		3	3	2	1	4	3	3	1	1	4	3	2	4	2	2	1	0	2	4	0	0	0	0	1	0	0	0	0	0	44	F
		2	2	2	1	2	4	3	2	1	2	3	2	3	3	2	1	1	3	0	4	0	0	1	3	0	0	0	0	0	47	F
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		4	3	2	1	4	4	3	2	1	2	3	2	3	6	3	1	1	4	0	2	0	2	3	3	0	2	0	0	0	61	D

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# Praising Stars Assessments

## 1<sup>st</sup> assessment

- Paper 1 Wb October 15th
- Paper 2 Wb October 22nd
- Paper 3 Wb November 5<sup>th</sup>

## 2<sup>nd</sup> assessment

- Mock exams week – all subjects
- January over 2 weeks

## 3<sup>rd</sup> assessment

- Mock exams week – all subjects
- March/April over 2 weeks

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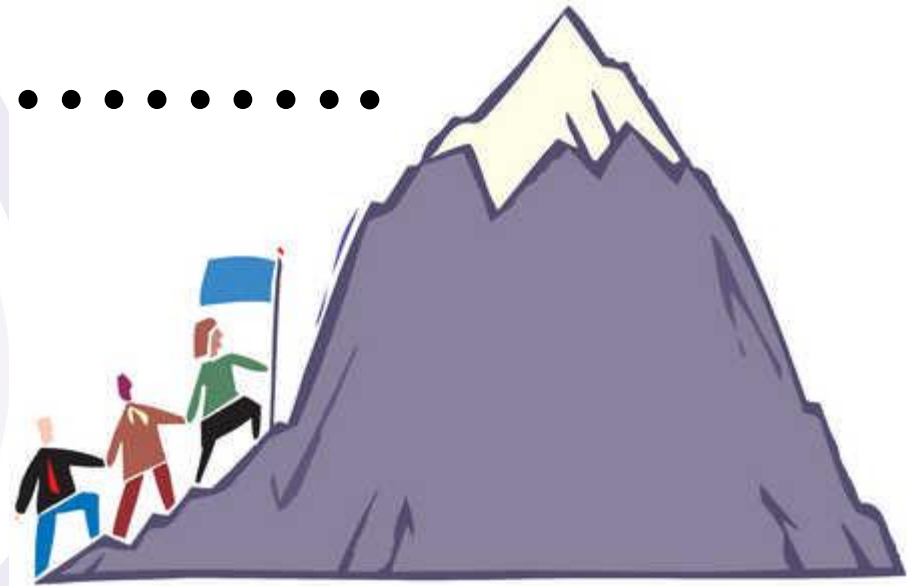
- Student Analysis Grids  
In books

Q		Marks	Silly mistake	Need to revise	Never Seen	MathsWatch Clip	Revision Book Page No.
Q1	Money problem	3/ 3				11, 64	20, 21
Q2	Interpret and complete a pictogram	2/ 3	/			42	91
Q3	Calculate with time	0/ 3		/	/	25	61
Q4	Insert values into expression	2/ 2				66	35
Q5	Use place value	3/ 4	/			1	1
Q6	Use probability scale	3/ 3				40	100
Q7	3D Shape properties and volume	5/ 5				37	70, 72
Q8	Use BIDMAS	2/ 6		/		59	15
Q9	Interpret dual bar chart	5/ 5					92

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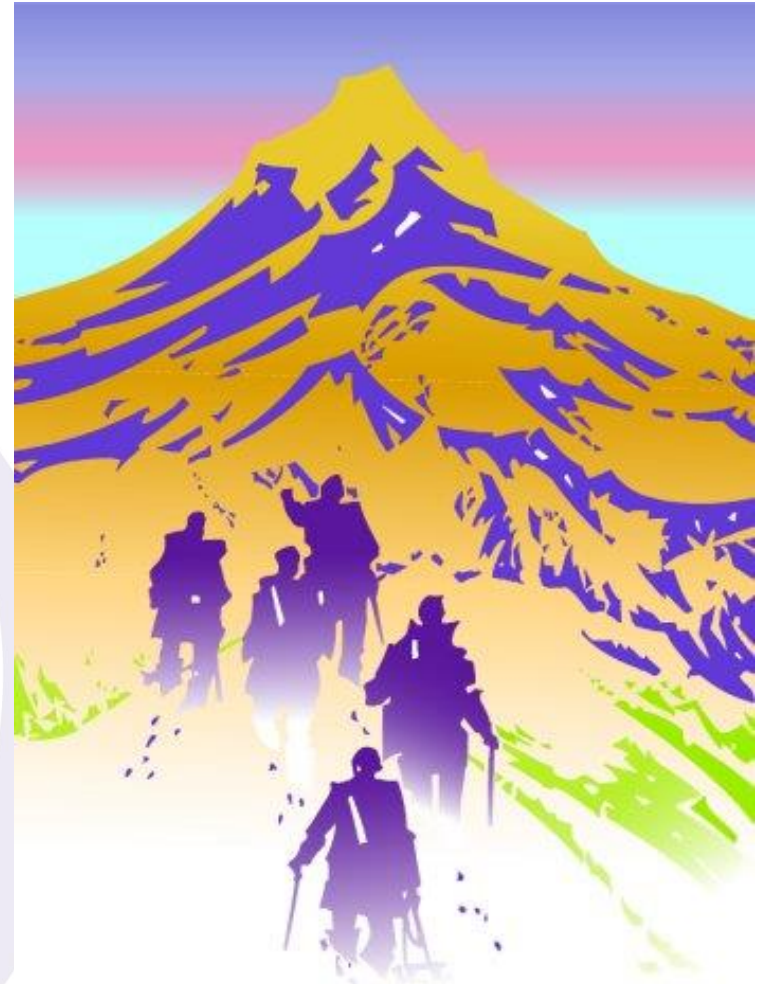


# Year 11 is a bit like this!.....



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Sometimes,  
it will feel  
like there is  
no end in  
sight.....



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**Sometimes, it  
will be hard  
and it will feel  
like a real  
struggle .....**



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# Sometimes, you will need extra help .....



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**BUT.....the  
most  
important  
thing to  
remember is  
that you must  
never give up!!**



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# Thank you

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