



Year 9

Parents' Information Evening

19th September 2019





Equipment- Thank you!!

Students are expected to have the following basic equipment with them in school every day.

- **Pen**
- **Pencil**
- **Green pen**
- **Ruler**
- **Calculator**
- **Compass**
- **Protractor**
- **Whiteboard pen**
- **Glue stick (optional)**

To help prepare students for their examinations it is advised that this equipment is in a **clear pencil case**.



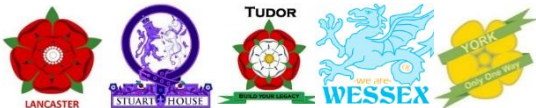
Setting

- Students taught in House Panels with 3 classes for most subjects
- Students are only set by ability in Maths, English and Science
- First half term - setting review with Heads of Department then review in department throughout the year.

Nationalised Data
KS2

Internal
Assessment and
Teachers
Assessment

Information from
Feeder schools



How do I know how my son/daughter is getting on?

There are 4 progress checks each year

1st Progress Check October Half Term

This will be a behaviour for learning grade only

E - Exceeding expectations

M - Meeting expectations

I – Improvement needed

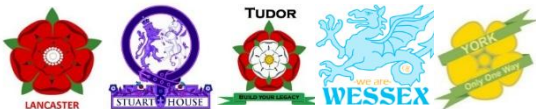
For the remaining 3 progress checks you will receive two grades:

- **Expected** fine grade e.g. 5-, 5 or 5+
- **Current** fine grade

And a behaviour for learning and homework grade **E, M or I**

Students also receive two target grades

- **Aspirational** target grade
- **Minimum** expected grade



Progress check timeline

**Progress
Check 1**



**Progress
Check 2**



**Progress
Check 3**



**Progress
Check 4**



Autumn

Autumn

Spring

Spring

Summer

Summer

Year 9 2019-2020



Progress Check

The progress check will also provide the following data

- Attendance- authorised and unauthorised absences
- Achievement or House Points
- Behaviour Points

Any questions please contact your son/daughters tutor

Year 10 W-CJF
Summer 2 Progress Check
July 2019

QueenElizabeth's School QE

	Summer 2
Attendance (05/09/18 – 05/07/19)	98.3%
No. of Authorised Absences	4
No. of Unauthorised Absences	2
Achievement Points (House Points)	1677
Behaviour Points (Consequences)	0

Every Day	95%	47 LESSONS MISSED EACH YEAR 8 days in total or 1 week and 3 days
Counts...	90%	95 LESSONS MISSED EACH YEAR 16 days in total or 3 weeks and 1 day
Be Here Today –	85%	142 LESSONS MISSED EACH YEAR 24 days in total or 4 weeks and 4 days
Achieve Tomorrow!	80%	190 LESSONS MISSED EACH YEAR 32 days in total or 6 weeks and 2 days

Subjects	Minimum Expected Grade	Aspirational Target Grade	Current Grade	Final Expected Grade	Engagement in Learning	Home Learning
English Language	6	8	6+	7	M	M
English Literature	6	8	6+	7	M	M
Mathematics	5	6	5-	6	M	M
Science	5	6	5	7	M	M
French	5	6	7+	8-	E	E
Religious Studies	6	6	7+	8+	E	E



QueenElizabeth's School QE

Timeline

Parents Options
Evening Evening

Progress
Check 1



Progress
Check 2



Progress
Check 3



Progress
Check 4



Autumn

Autumn

Spring

Spring

Summer

Summer

Year 9 2019-2020



PUPIL RESPONSES



Why this is a good piece of work



What the error was and a correction



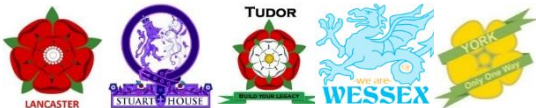
A further explanation, extension or more creative response



Copy out correct spelling twice or make corrections



What is GRIT?



Ambition

Sole



Flaunt

Credible

Welcome

2 GCSEs

English Language and English Literature

Elm

Fortune

Baize

Secluded

Peered

Preparation

English Language	English Literature
Speeches throughout history	19 th Century novel
Travel writing	Shakespeare explored
Real news	Short stories
Victorian non-fiction	Texts from the Gothic
Your world issues	19 th Century characterisation
Creative writing	Poetry

GCSE set texts

- An Inspector Calls
- Macbeth
- A Christmas Carol

Will be available to buy – a letter will be sent home soon.

Poetry Anthology
will be provided

There are no set texts
for Language

Help at home

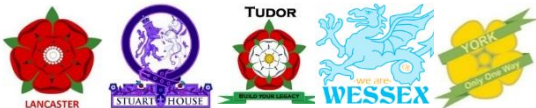
- A space and time to work
- Equipment
- Support KO quizzing
- GCSE pod for support
- Further reading
- Pod casts
- **Encourage reading**

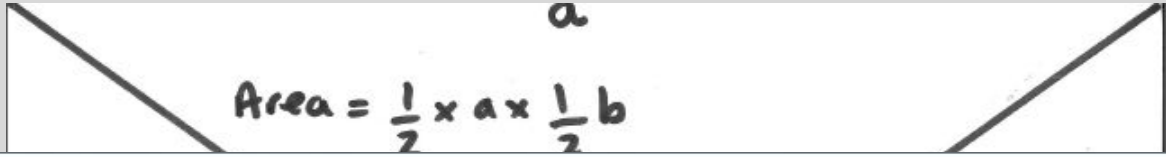
- An online poll of over four thousand people revealed that regular readers for pleasure reported fewer feelings of stress and depression than non-readers, and stronger feelings of relaxation from reading than from watching television or engaging with technology intensive activities.
- Studies have shown that those who read for pleasure have higher levels of self-esteem and a greater ability to cope with difficult situations. Reading for pleasure was also associated with better sleeping patterns.
- Higher literacy skills are associated with a range of positive societal benefits, including having a stronger sense of belonging to society and being more likely to trust others.
- Studies have found that reading for pleasure enhances empathy, understanding of the self, and the ability to understand one's own and others' identities.



QE Mathematics

the faculty that counts





ning

NRICH enriching mathematics

PrimarySecondaryTopicsSearch NRICHGo

HomeStudentsTeachersRoadshowEvents

Problem Solution

You may also like

- How Many Digits?**
How many digits are there in this product?
- Domino Match**
If you take two dominoes from a set at random, what is the probability that they 'match'?

Paper Sizes

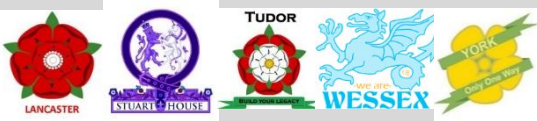
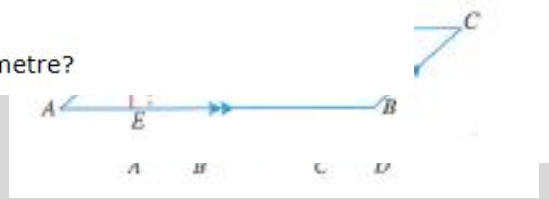
Stage: 4 Short ★★ ★
See all short problems arranged by curriculum topic in the [short problems collection](#)

The paper sizes A0, A1, A2, A3, A4 are all similar rectangles.

Two A1 sheets of paper can be made by cutting an A0 sheet in half, and two A2 sheets of paper can be made by cutting an A1 sheet in half, and so on.

A sheet of size A0 has area one square metre.

What are the dimensions of a sheet of size A4, to the nearest millimetre?



Maths Curriculum

Edexcel Exam Board

Domain	Weighting of marks	
	Foundation tier	Higher tier
Number	25%	15%
Algebra	20%	30%
Ratio, proportion and rates of change	25%	20%
Geometry and measures	15%	20%
Probability	15%	15%
Statistics		

Assessment Objectives

Below are the Assessment Objectives for the new GCSE and the weighting of each in both tiers.

Assessment Objectives		Weighting	
		Higher	Foundation
AO1	Use and apply standard techniques	40%	50%
AO2	Reason, interpret and communicate mathematically	30%	25%
AO3	Solve problems within mathematics and in other contexts	30%	25%

Assessment and Feedback

Key Questions

Unit 1 KQs Rounding and Estimation

Name: _____ Class: _____

Aim to complete this in 15 mins Calculator not allowed Total Marks: /16

Q1.

(a) Write the number seven thousand and twenty five in figures. _____ (1)

(b) Write the number 9450 in words. _____ (1)

(c) Write the number 28.75 to the nearest whole number. _____ (1)

(d) Write the number 7350 to the nearest thousand. _____ (1)

(Total 4 marks)

Q2.

Write 4.4254 correct to 2 decimal places. _____ (1)

(Total 1 mark)

Q3.

(a) Write 7300 correct to one significant figure. _____ (1)

(b) Write 3.49 correct to one significant figure. _____ (1)

(Total 2 marks)

Q4.

The length, L cm, of a line is measured as 13 cm correct to the nearest centimetre.

Complete the following statement to show the range of possible values of L .

_____ $\leq L <$ _____

(Total 2 marks)

QueenElizabeth's Mathematics

Unit 1 KQs Rounding and Estimation

Q5.

Work out an estimate for 31×9.87

(Total 3 marks)

Q6.

A ticket for a seat at a school play costs £2.95

There are 21 rows of seats.

There are 39 seats in each row.

The school will sell all the tickets.

Work out an estimate for the total money the school will get.

(Total for Questions 5-6)

Skills Assessed	Grade	☹	☺	☺
Round to 10, 100, 1000, whole numbers and decimal places,	2			✓
Round to significant figures.	3			✓
Write the error interval of a number.	5		✓	
Estimate answers to problems.	3	✓		
Solve problems with estimation.	3	✓		


QueenElizabeth's Mathematics

Skills Assessed	Grade	☹	☺	☺
Round to 10, 100, 1000, whole numbers and decimal places,	2			✓
Round to significant figures.	3			✓
Write the error interval of a number.	5		✓	
Estimate answers to problems.	3	✓		
Solve problems with estimation.	3	✓		

Symbol	Explanation
★	I am very confident in rounding so there got I got all the questions right.
★	I am able to round to 1 significant figure confidently.
?	I did my calculations wrong and therefore missed of 0.

Assessments

Assessments



Assessment 1 Feedback Sheet

Skill	Estimation	Multiplication	Interior Angles	Angles in parallel lines	Averages and range from data sets.	Estimate the mean	Comparing data using median, range or IQR	Simplifying ratio	Proportion	Speed, distance and time	Factor, multiples and primes
Question	1	2	3	4	5	6	7	8	9	10	11
Mark	2	3	2	4	6	4	4	4	2	4	4
Score											

Student Feedback:
List 3 things you have done well

1

2

3

Skill	Order numbers in standard form	Simplify using laws of indices	Work out area and perimeter of regular shapes	Rationalise the denominator	Substitute numbers into expression	Find composite functions	Proof of inverse functions	Expanding and simplifying brackets	Factorise expression	Simplify algebraic fractions	Total
Question	12	13	14	15	16	17(a)	17(b)	18(a)(b)(c)	18(d)(e)	19	
Mark	3	4	3	3	4	2	3	5	4	3	73
Score											

List 3 things you need to improve

1

2

3

Queen Elizabeth's Qz Mathematics

Each assessment is designed to build on previous knowledge.

What resources are available?

Maths Watch

Clip 91 Estimating Answers

One Minute Maths

Interactive Questions

Worksheet

Find a Clip

Clip 91

ESTIMATING ANSWERS

09:10

Qualification

GCSE

Tier

All

Grade

All

Topic

All

Search

estimating

Question Progress

By rounding each number to 1 significant figure, estimate the answers to:

a) $\frac{985 \times 22.6}{9.79}$

b) $\frac{69 \times 32}{7.3 \times 2.9}$

Submit Answer

What resources are available?

PiXL Maths App

PiXLmaths

partners in excellence Copyright © 2009-2016 The PiXL Club. Version 1.45.

Usage data

Class lists

Class analysis

Logout

Design a test

Skills overview

Gap analysis

Take a challenge

Arithmetic

Score board

Homework tasks

Feature
Explained

Number

Algebra

Ratio & Proportion

Geometry

Probability

Statistics

Problem Solving

3D shapes - 0 out of 7

Calculate the volume of common 3D shapes.
Calculate the surface area of common 3D shapes.

Frustum - 0 out of 1

Calculate the volume of a frustum

Transformations - 2 out of 5

Recognise transformations to map one shape onto another.
Recognise the effect of enlargement on volume/surface area.

Vectors - 0 out of 3

Construct a resultant vector from a diagram. Recognise when three or more points are collinear. Perform vector arithmetic.

Loci - 0 out of 2

Identify common loci and how they are constructed.

Previous

Units of measure - 0 out of 5

Choose appropriate units of measure.
Approximate a weight or volume of an object.

Bearings and measure - 0 out of 5

Calculate a bearing. Convert between metric and imperial units. Perform speed, distance and time calculations.

Pythagoras' theorem - 0 out of 3

Calculate the length of a line in a 2D or 3D problem.
Calculate the length of a line connecting 2 coordinates.

Trigonometry - 0 out of 5

Calculate an unknown angle or side using SOH CAH TOA, including in a 3D context. Know exact trigonometric values.

Sine and cosine rules - 0 out of 5

Apply the sine or cosine rule to calculate a length or an angle.
Use the formula $0.5ab \sin C$



How can parents help?

Go through exercise books

Look out for Key Questions and Assessment Feedback sheets – are they trying to improve?

Check for homework

Exercises, activities, revision, longer investigations - watch Maths Watch clips together.

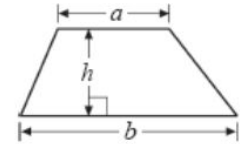
Work on numeracy skills

Can they multiply? Divide? Do they know their number properties?

Help them to remember the formulae

E.g. Area, Trigonometry – these are no longer given in the exam!

$$\text{Area of trapezium} = \frac{1}{2} (a + b)h$$



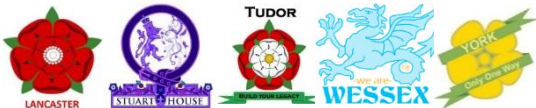
How can parents help?

Develop GRIT in Maths

Talent x **Effort** = Skill

Skill x **Effort** = Achievement

~~"I was never any good at Maths when I was at school"~~



Extra Maths?

Maths Workshop

Every Tuesday 3.30 to 4.30 – revision, homework support, extra practice.

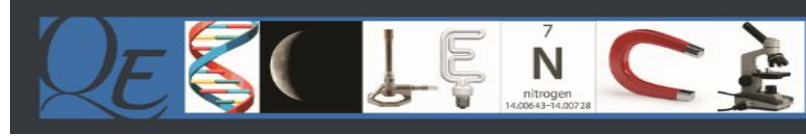
Competitions

UKMT Maths Challenge

House Competitions

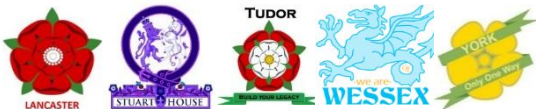
University of Southampton Cipher Challenge

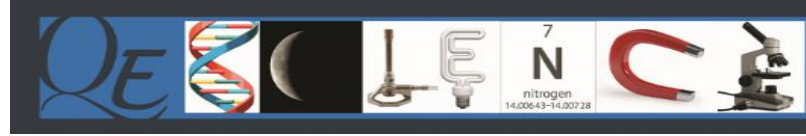




Science

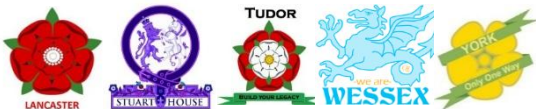
- Investigation skills– bridging the gap
- GCSE content – starts after half term

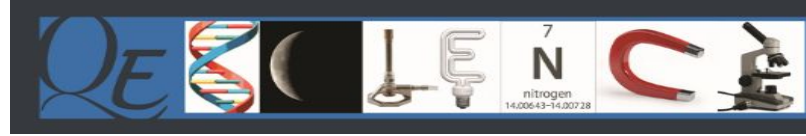




What we cover

Biology	Chemistry	Physics
Microscopes and cells	States of matter	Electricity
Enzymes	Atomic structure	Fields
Transport in plants	Periodic table	Kinetic theory
Diffusion	Acids	Springs
Respiration	metals	
Health and disease		





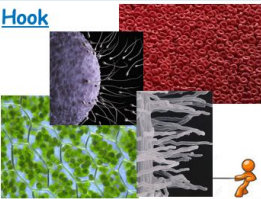
What a lesson looks like

Plant & Animal Cells Monday, 18 September 2017

Learning Objectives

- **Label** a plant & animal cells
- **Describe** the functions of the organelles
- **Explain** the procedure of preparing slides and observing cells under a microscope

Hook



Starter Question

What is a cell?
A cell is the basic unit of life, from which larger structures such as tissue and organs are made.

Keywords
mitochondria, nucleus, ribosome, vacuole, chloroplast, cell wall, cell membrane, cytoplasm

Tiered objectives and key words for every lesson

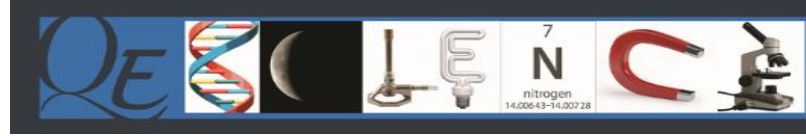
At the end of every lesson students can identify the level they can work out

I can... I am...

I CAN...	I AM...
Identify 3 differences between a plant & animal cell	5
Prepare a microscope slide	6-7
Describe the functions of the organelles	8
Explain the procedure of using and focusing a microscope	9

"I can....so I am a grade...."

"If I could....then I would be a grade..."



Required practicals

Triple – 28 practicals across Bio, Chem & Phy

Dual award – 22 practicals across Bio, Chem & Phy

Required practical activity	Apparatus and techniques
Use a light microscope to observe, draw and label a selection of plant and animal cells. A magnification scale must be included.	AT 1, AT 7

Covers techniques and skills that will be in the exam.

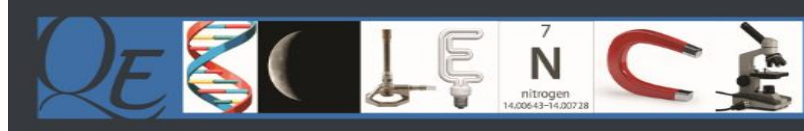


Assessments

1. w/c 30th September – skills based



Extras



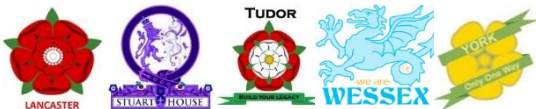
STEM CLUB
Thursday
after school
in E104

Tank challenge March – designed and build a tank – Tank Museum

Stem Competition for girls at AEUK – Build a 'Stealth boat' - February

CREST AWARD Science project- Bronze

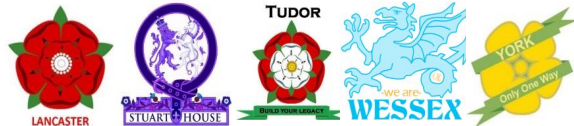
Rotary Club technology challenge



Link between Attendance and Achievement

“.....pupils who miss more than 50 per cent of school only three per cent manage to achieve five or more GCSEs at grades 9 to 4 including Maths and English. 73 per cent of pupils who have over 95 per cent attendance achieve five or more GCSEs at grades 9 to 4”

Department of Education



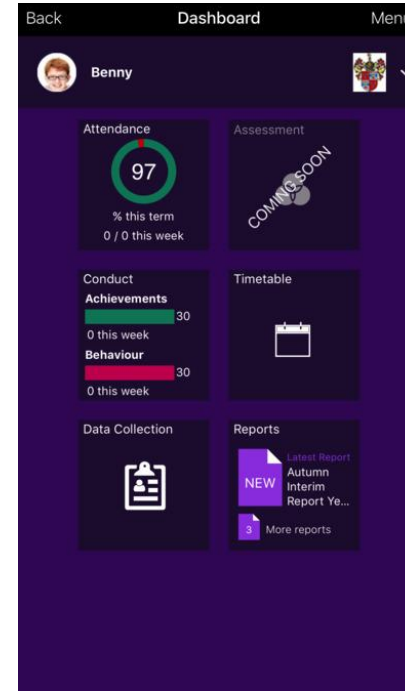
Look



What help is out there?



SIMs Parent App



Key evenings

Year 9 Parents' Evening Thursday 23rd January
4pm- 7pm

Year 9 Options Evening Thursday 13th February
4pm- 7pm

