

17th June 2022

**Parents and Carers
of Year 10 Students**

Dear Parent/Carer,

Maths Assessment

As you are aware our students are scheduled to undertake a maths assessment on Wednesday 29th June. Assessments are opportunities to continually evaluate children’s knowledge, skills and understanding. They also offer an opportunity for children to demonstrate and review their progress over the course of a period of time. All in all, it is an integral part of our relentlessly ambitious, high expectations culture.

We will help your child by giving them preparation guidance during lessons and a revision topic list too. I have also included in this letter the topic lists so you can help support your child.

In order to support your child can you please make sure they **have a scientific calculator** on Wednesday 29th June, if they are a pupil premium student and they need support with this please let us know via info@tqea.org.uk.

To help your child succeed in their maths assessment can you encourage them to do frequent independent maths revision using [Hegarty Maths](#). I have put below the Hegarty clips which will best help them in their upcoming maths assessment. This daily revision will help your child to improve and embed their skills in mathematics. **#WeCanAndWeWill**

Yours faithfully,



Mr A. Wiles
Curriculum Lead for Mathematics
The Queen Elizabeth Academy

Y10 Summer: Foundation Revision List

Topic	Hegarty Clip
<u>NON-CALCULATOR SECTION</u>	
Decimals to fractions	52
Unit Conversion	692, 693, 695, 696, 698, 699
Lines of symmetry	827
Negative Numbers	41,42,43 and 44
Linear Equations	178, 179 and 180
Division of Integers	145
Addition of Fractions	66
Money Problem	752
Fractions to Percentages	75 and 76
Fractions and ratio	330
Fraction of an amount	77
Edges and Faces of Common Solids	830
Probabilities adding to one	351
Drawing Linear graphs	206
Number square problem with fractions	
Standard form	122 and 123
Solve Linear equation	184
Angle problem: quadrilateral and straight lines	560
Limits of accuracy: rounding problem	132
Area of quarter circle	541
<u>CALCULATOR SECTION</u>	
Unit knowledge of length	691
Find a common multiple	33
Convert fraction to decimal	73 and 74
Use of a calculator and rounding	129
Interpret a pictogram and sampling	426
Median of a set of numbers	409
Improper fraction calculation	63 and 64
Solve linear equation	178, 179 and 180
Angles at a point	812, 813 and 814
Conversion of units	692, 693, 695, 696, 698, 699
Make arithmetic progression	197
Fraction to a ratio	330
Simplify, factorise and multiply out	156, 157, 162 and 168
Map scale and Bearings	492 and 864
Drawing a Pie Chart	427
Substitution into a formula	780, 781 and 782
Distance-time graph and speed interpretation	874 and 875

Y10 Summer: Higher Revision List

Topic	Hegarty Clip
<u>NON-CALCULATOR SECTION</u>	
Square root; numbers with indices	101
Standard form	122 and 123
Simplifying algebra with indices	173, 174 and 175
Interpret proportion with algebra	342
Estimation and rounding	131
Angles of polygons problems	561, 562, 563 and 564
Product Rule	671, 672 and 673
Rate of flow- interpretation of linear graph	899
Validity of argument – volume of similar solids	618 and 619
Geometrical proof involving angles and parallel lines	488, 489 and 450
Appropriate average	419 and 420
Area of triangle involving coordinates	557 and 558
Cumulative frequency	437 and 438
Congruent Triangles	682
Proportion problem	339
Conditional probability	364, 365 and 366
Negative fractional indices and laws of indices	105 and 108
<u>CALCULATOR SECTION</u>	
Fraction to decimal	73 and 74
Units conversion	692, 693, 695, 696, 698, 699
Midpoint in coordinates	200
Nth term of a linear sequence	198
Dependent probability and product rule	671, 672 and 673
Draw a quadratic graph and interpret turning points	251, 252, 253, 254 and 255
LCM	34
Formula and linear graphs in context	894
Interpret box plots	434, 435, 436 and 437
Percentage and ratio problem	
Probability with Venn diagram problem	383, 384 and 385
Ratio problem	335, 336 and 337
Histogram and interquartile range	442, 443 and 444
Areas and volumes of similar solids.	615 and 618