



King's Norton Boys' School - Mathematics Department

Numeracy Newsletter – Year 7 Summer Term 2022



Thank you to all those who completed the parent survey in April. It is useful to see the proportion that feel able to support their sons with their maths homework and useful to see that not many knew about their son taking part in Numeracy Ninjas!

The initial purpose of this newsletter is to help improve your knowledge of what your son is studying in maths and give some insight to how he can be further supported in his maths progress beyond his classwork and homework.

Year 7 Topics to be covered in Summer term 2022	Hegartymaths clip numbers
Area and Perimeter	548-551, 554-559
Volume and Surface Area	568-571, 584-585
Averages and Range	404-406, 409-410, 417
Representing Data	422-433
Plans and Elevations	833-844
Constructions and Loci	659-665

Your son will be set a selection of these Hegartymaths tasks for his homework each week. It may be useful to use this list as a tick list for revision purposes for assessments or to allow for some pre-learning before it is covered in class.

Numeracy skills

The curriculum we follow revises many of the numeracy skills covered in Key Stage 2 and continues to build on these. Knowledge of these skills over time becomes assumed or is covered more quickly. The following list of skills would be useful for students to practise regularly to maintain these skills.

Area of numeracy	Hegartymaths clip numbers
Arithmetic with positive integers	1-12
Place value	13-17
Operations with positive integers	18-23
Properties of positive integers	25-36
Negative numbers	37-43
Decimals	45-56
Fractions	57-80
Percentages	81-88
Number sense (various calculation methods)	140-148

Numeracy workshop

It was good to see the appetite for this. This will be something we work towards offering in the future.

Numeracy Ninjas



Numeracy Ninjas is a task run fortnightly (or more regularly) with all Key Stage 3 form groups. Students complete a set of 30 questions on numeracy skills and then self or peer mark. Their results are recorded, and students attain a 'belt' for their score. The belt structure is shown in the image opposite. 'Grand Masters' are also selected each term - they receive a certificate for best in form or most improved. It has been wonderful to see the steady improvement of numeracy skills through these activities and the boys seem to enjoy it too.

The Numeracy Ninjas website has plenty of materials that can be used for practising numeracy skills too (see link below). This can be particularly useful for strengthening individual skills - your son may find this useful as it includes ten days' worth of thirty

questions just on that individual skill as well as the answers:

https://www.numeracyninjas.org/?page_id=165

Mathematically yours,

Miss Maxwell and The Maths Department