

Year 10 Transition Tasks

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| Subject: Mathematics |
| Teacher/s: Miss Smith |
| Qualification: GCSE Mathematics |
| Method of assessment: Examination |
| Transition Main Task: Understand how your brain works and how to make the most of the next two years. Take a short online course by Stanford University in the US (so they say Math instead of Maths!) https://online.stanford.edu/courses/gse-yeduc115-s-how-learn-math-students “How to Learn Math is a free class for learners of all levels of mathematics. There are 6 sessions, the first three are approximately 10 minutes long and the last three approximately 20 mins long. It combines really important information on the brain and learning with new evidence on the best ways to approach and learn math effectively. Many people have had negative experiences with math, and end up disliking math or failing. This class will give learners of math the information they need to become powerful math learners, it will correct any misconceptions they have about what math is, and it will teach them about their own potential to succeed and the strategies needed to approach math effectively. If you have had past negative experiences with math this will help change your relationship to one that is positive and powerful.” |
| Transition Question Task: The following transition units have been specially developed to support Students in Year 9 in preparation for GCSEs specifications. <ul style="list-style-type: none">• Pythagoras |

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- Proportion
- Sequences
- Venn Diagrams
- Straight line graphs - parallel and perpendicular lines
- Mean, median, mode, range
- Decimal fractions
- 3D Shapes
- Angles
- Whole Number Theory

[Click here to access](#)

Transition Reading Task:

[Why Do Buses Come in Threes?: The Hidden Maths of Everyday Life: The Hidden Mathematics of Everyday Life Paperback](#)

[Alex's Adventures in Numberland: Dispatches from the Wonderful World of Mathematics](#)

Recommended Websites:

[Hegarty maths](#)

[KS3 Booster Pack](#)

As you transition from Secondary to the UTC, it is very important to refresh your memory on some maths skills that you have learnt in the past (Building Blocks). We have also included some skills as extension tasks (Extension Skills) that involve more of the work you may be doing in your first few months in the UTC.

[MEP Help Modules](#)

Really good help on 10 of the biggest and most important maths topics. All the big names are there – fractions, percentages, algebra, probability. Give it a go!

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[NRICH](#)

I know that doing a maths puzzle may not seem like the best way to spend 20 minutes, but if you do one puzzle a day off this site, it'll do you a lot more good than reading over your textbook again and again. These puzzles teach you how to think and solve problems, which are essential skills for success at maths. Each puzzle comes complete with a worked answer. This site might just help you enjoy your maths more, so I would give it a go.