



*“The essence of maths is not to
make simple things complicated,
but to make complicated things
simple”*

– Stan Gudder, American
Mathematician

**ST JOHN'S MATHS
DEPARTMENT**
Key Stage 3



Year 7 – Transition

In the St John's Maths department, we aim to set our students by ability as quickly as possible, to allow us to ensure every student is working at the correct level for them, making sure we stretch and challenge them so they can each make the most progress possible during lessons.

Our current Year 7 cohort have been set immediately based on their Key Stage 2 results and each student is currently working through a transition unit with the aim of revising and reinforcing key mathematical concepts. Students will then be assessed on a range of topics from KS2 to ensure the group they are in is suitable for their ability level.

We believe there should be fluidity in which set a student is placed and our assessment framework allows us to make decisions on a regular basis as to whether or not a student should move up or down.

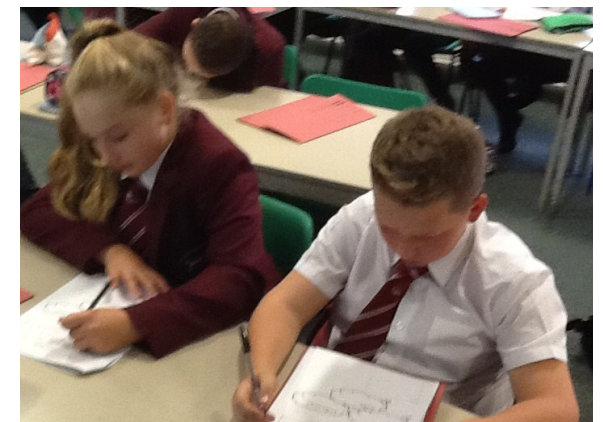
Year 7— after 4 weeks

Once it has been established and confirmed which set a student should be in, we begin the Year 7 scheme of work. Each class has a scheme of work designed specifically for the ability of the students within it.

As a department we are committed to ensuring that we never leave a student behind. As a result we teach through a system of Mastery and Stretch activities, giving every student time to fully engage with the topic being taught (Mastery) and once they are comfortable with all facets of the topic, moving on to its applications in the real world (Stretch).

Assessment

Once students have had time to master the methods and techniques required within a topic area, we will give them a short assessment in order to judge the level of mastery they have acquired. At this point, students who have shown mastery of the topic will be stretched with activities requiring them to apply their knowledge to functional questions or those set out in a pictorial form. Other students will be given activities aimed at strengthening and consolidating their learning.



What will we study?

Students in Year 7 will cover a large range of topics throughout the year. These include:

- ◇ Fractions, Decimals and Percentages
- ◇ Properties of 2D and 3D shapes
- ◇ Sharing in a ratio
- ◇ Generating and describing linear sequences
- ◇ Investigating angles
- ◇ Solving equations
- ◇ Performing and describing transformations
- ◇ Drawing and interpreting graphs and charts

Contact Us

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