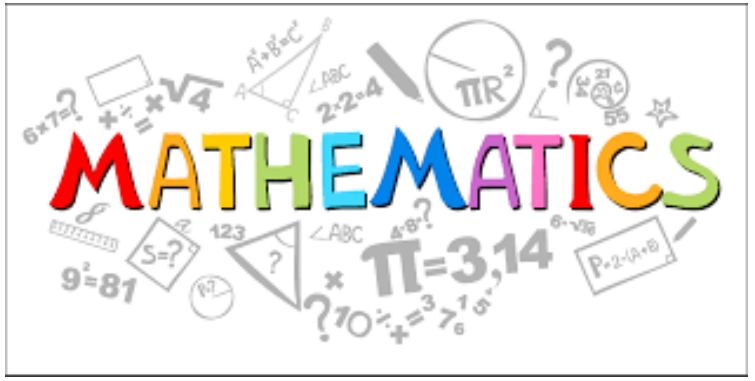
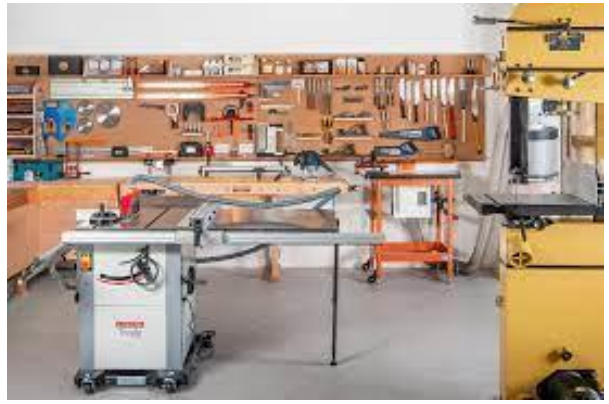
S1 Mathematics, Computing and CDT



Welcome to the Mathematics, Computing and CDT Faculty S1 presentation. The purpose of this presentation is to tell you about what your child will learn and the skills they will develop over the course of S1 in Mathematics, Computing and CDT and to provide some guidance on how best to support your child with their learning.





Mathematics: Number of Periods and Course Content Coverage

3 periods per week.

Number.

Statistics.

Fractions and Roots.

Develop Mathematical vocabulary and notation.

Develop mental agility.

Mathematics – Ensuring your Child is Ready to Learn

- A calculator. At this stage a non- scientific one will suffice, however, as we progress a scientific calculator will be invaluable.
- A pencil and a ruler.
- Students are encouraged to take ownership of their jotters. This includes bringing them to every lesson.
- iPad - charged and ready to use every day.

Mathematics – How to Support Your Child's Learning

- Your support from home is imperative in building a positive experience of the subject.
- Please, wherever possible, have positive conversations about Mathematics,.
- Please highlight to your child instances where mathematics is applied in your own home. For example, recipes, finance, measuring and simple arithmetic.
- Please praise effort in Mathematics, rather than test outcomes.
- Please reward your child for being resilient in their Mathematics lessons.
- Please check on Showbie once termly to view your child's starred piece of work showcasing their progress in Mathematics.

Computing: Number of Periods and Course Content Coverage

1 period a week.

Coding through Sprites

Data Security.

Computational Thinking

Spheros (Robotics).

Critical Thinking.

Logical Pathways.

Applying Data Security Principles.

Computing – Ensuring your Child is Ready to Learn

- Computing lessons are about exploration and sometimes trial and error, therefore a positive frame of mind is essential. To achieve a positive frame of mind, a sound night's sleep is a critical ingredient.
- Please ensure your child's iPad is charged and ready to use.
- Please remind your child to remember any passwords required to access school resources and/or educational applications.

Computing – How to Support Your Child's Learning

- Please check on Showbie once termly to view your child's starred piece of work.
- Please encourage your child to talk about their Computing lessons and allow them to explain what they have been learning.
- Please encourage your child to use websites such as code.org which help develop key computing skills.
- Please check in with BBC Bitesize and explore the educational videos available.
- Please refer to X (Formerly Twitter) for #ComputingAtHome

CDT: Number of Periods and Course Content Coverage

1 Period a week.

Manufacturing Skills (Wood and Metal.

Graphic Communication

Electronics.

Safety in the Workshop.

Knowledge of Materials.

Understanding of Voltage, Current and Resistance.

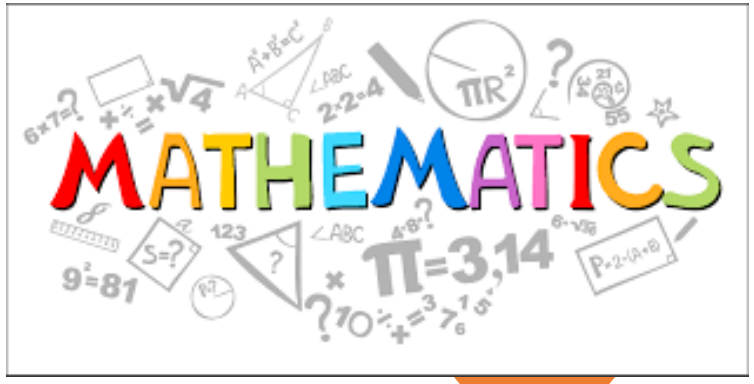
CDT – Ensuring your Child is Ready to Learn

- Listening skill and following instructions first time, are critical in a practical environment. Students should be ready to use these skills and must remember to bring them to the lessons.
- i-Pads should be fully charged and ready to use.
- A positive mindset is essential in a subject where we are learning new skills, which may take more than one attempt to master.

CDT – How to Support Your Child's Learning

- Please check on Showbie once termly to view your child's piece of work.
- Please discuss materials in your homes and encourage your child to talk about what materials they are using in their CDT lessons.
- Wherever possible, encourage your child to visit www.stem.org.uk to see CDT in real life.
- Please encourage your child to talk to you about their practical projects when they bring the finished article home.

S1 Mathematics, Computing and CDT



If you require further information about our S1 Mathematics, Computing and CDT courses please contact:



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OR

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