



## Transition Learning Programme from GCSE Maths to A level Maths

Notes, links to videos, questions and solutions to 10 key topics of the fundamental GCSE A/A\* topics to have a successful start to AS level Maths.

**For all 'New to MCS' sixth form applicants, you require an email from me so you can get signed up. Keep reading!**

- **Bridging Sessions for Year 11** - An introduction to AS Mathematics and Further Mathematics with an emphasis on fun and enjoyment of mathematics covering the topics on Mathematical Investigations, Algebra, Introduction to applied mathematics, Mathematical Proof, Differential Calculus, Introduction to Complex Numbers, Problems and Algorithms, Areas and volume: Integration, Coordinate Geometry, A set of 10 pre-recorded tutorials followed by self-study tasks and materials with an end of study online assessment test. Programme starts 4th May.
- **Mathematical Worlds for Year 11/12/13** - A set of ten mathematical rich tasks prepared for Wales by mathematicians across the world (Germany, Australia, USA, Japan and UK). These are resources for slow contemplative mathematical thinking and problem solving for developing resilience and creativity in learners when approaching unseen mathematical problems. Year 11/12/13 students could pursue each world to the level they are comfortable with. Recommended for all SEREN students. Ten sets with an intro video from Dr Ian Roberts (Charles Darwin University), each set includes an introductory video (English), worksheet (Welsh and English) and guidance/solutions (Welsh and English). Programme starts 18th May.

If you anyone is interested in joining either or both of these courses please email [louisa.draper@monmouth.schoolsedu.org.uk](mailto:louisa.draper@monmouth.schoolsedu.org.uk)

Good luck!

Mrs Draper