

AS Level Mathematics – Preparation work

Some research (being guided by WHAT WHY WHEN WHERE HOW WHO?) on Curves, Writers etc. (see below). Randomly choose a focus from a hat!

Look at www.numberphile.com and watch some of the videos that interest you the most.

PLACES
<ol style="list-style-type: none"> 1. Ancient Babylonia 2. Ancient Egypt 3. Ancient Greece 4. Arabia 5. China 6. India 7. Italy 8. Maya 9. Scotland 10. Wales

WOMEN
<ol style="list-style-type: none"> 1. Hypatia of Alexandria 2. Elena Cornaro Piscopia 3. Maria Agnesi 4. Sophie Germain 5. Mary Fairfax Somerville 6. Ada Lovelace 7. Charlotte Angas Scott 8. Sofia Kovalevskaya 9. Alicia Stott 10. Amalie Emmy Noether

WRITERS
<ol style="list-style-type: none"> 1. Edwin Abbott 2. Alex Bellos 3. Lewis Carroll 4. Marcus du Sautoy 5. Rob Eastaway 6. Tony Gardiner 7. Martin Gardner 8. Alexander Masters 9. Marilyn vos Savant 10. Ian Stewart

CURVES
<ol style="list-style-type: none"> 1. Fermat's Spiral 2. Folium of Descartes 3. Lemniscate of Bernoulli 4. Limacon of Pascal 5. Lissajous Curves 6. Quadratrix of Hippias 7. Rhodonea Curves 8. Spiral of Archimedes 9. Trident of Newton 10. Witch of Agnesi