Options Evening Mathematics

January 2023

Mrs Rothwell – Mr Szczap

- Compulsory at GCSE for all students

- Two-year course

- Exam board is Pearson Edexcel

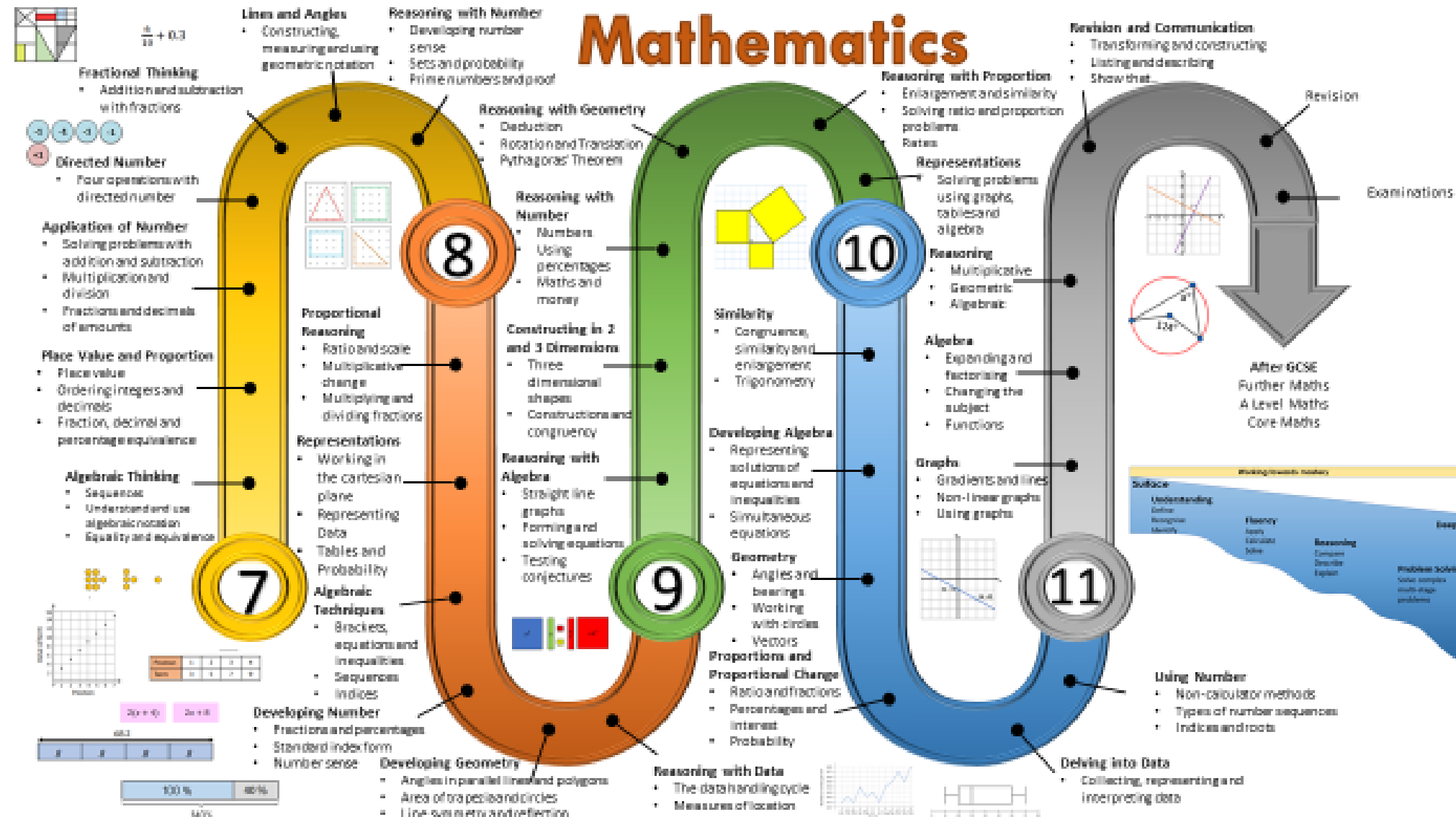 Foundation tier   Grades 1-5

  Higher tier   Grades 4-9

- Three 90-minute papers, 80 marks per paper (240 total)
  - ❑ Paper 1 non-calculator
  - ❑ Papers 2 with-calculator
  - ❑ Papers 3 with-calculator

- Four lessons per week

What will you learn?

Learning Journey

- ✓ Fluency
- ✓ Reasoning
- ✓ Problem-solving
- ✓ How to revise effectively
- ✓ How to use a textbook for independent learning

Assessments

Year 10
- Check Ups approximately every 2/3 weeks
- KATs every term
- End of year exams

Year 11
- Check Ups approximately every 2/3 weeks
- KATs every term
- Mock exams (Full Papers 1, 2, 3)
- Regular practice papers after the mock

Year 11- additionally
- Revision starters to every lesson
- Intervention, based on gaps
- Constant retrieval

The more you practice the more successful you will be

Independent Study

Website vle.mathswatch.co.uk

- Access MathsWatch through Office 365 using school email address and password
- Minimum 80% **consistently** is required to achieve your target
- SatchelOne – links, instructions, dates set and due
- Based on classwork and revision:
  - ❑Y9 currently Week A Revision task, Week B Unit task
  - **vs.**
  - ❑Y10/11 two tasks every week - Revision and Unit

What's the point? Why are we learning this?

CAREERS

- Acoustic consultant
- Actuarial analyst
- Actuary
- Astronomer
- Chartered accountant
- Chartered certified accountant
- Data analyst
- Data scientist
- Investment analyst
- Research scientist (maths)
- Secondary school teacher
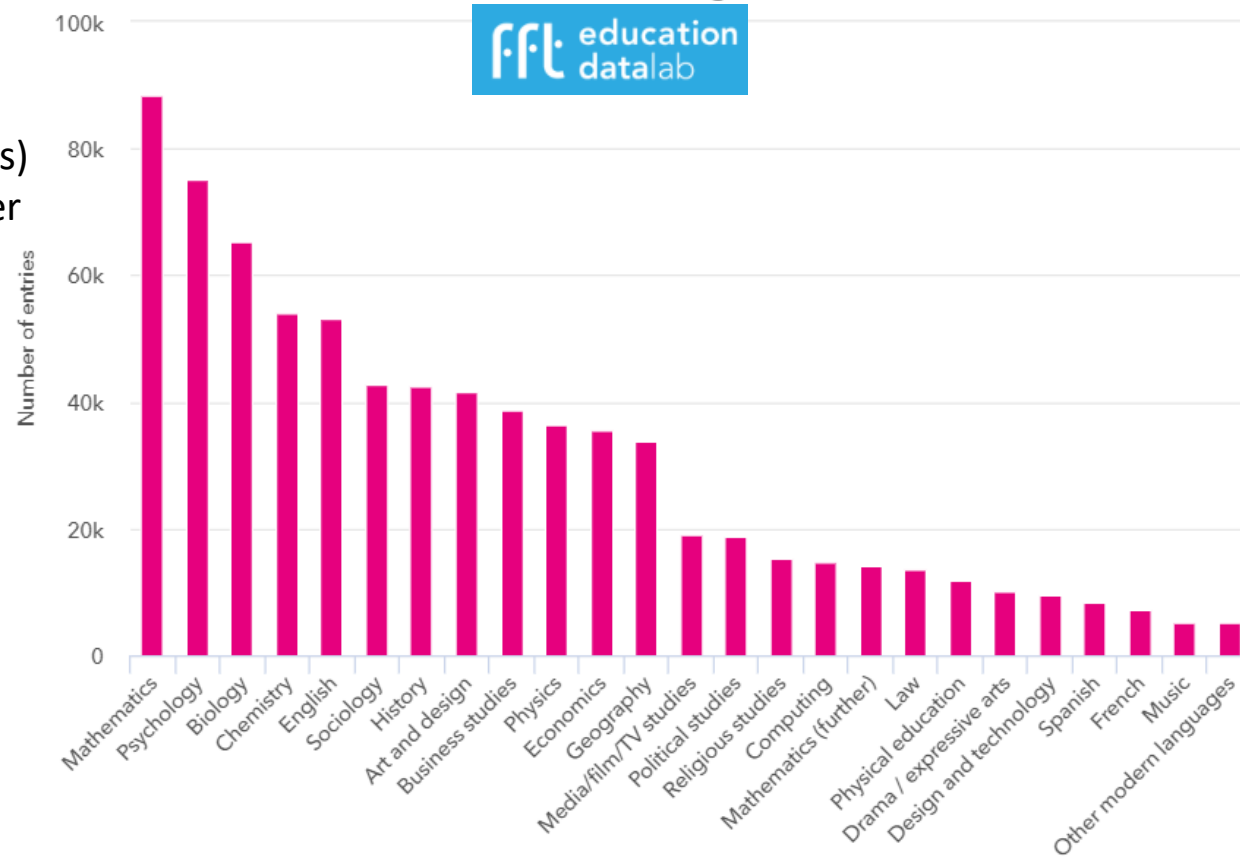- Software engineer
- Sound engineer
- Statistician

FURTHER STUDY OPPORTUNITIES

TRANSFERABLE SKILLS

- communication skills
- time management
- organisational skills and working methodically and accurately
- decision-making skills
- self-management
- teamwork and the ability to work independently

JOBS

- banking
- the Civil Service
- computing
- consulting
- financial services
- retail

A-Level entry numbers by subject, 2022
All students in England

FFL education datalab

Number of entries — axis: 0, 20k, 40k, 60k, 80k, 100k

Subjects (left to right): Mathematics, Psychology, Biology, Chemistry, English, Sociology, History, Art and design, Business studies, Physics, Economics, Geography, Media/film/TV studies, Political studies, Religious studies, Computing, Mathematics (further), Law, Physical education, Drama / expressive arts, Design and technology, Spanish, French, Music, Other modern languages
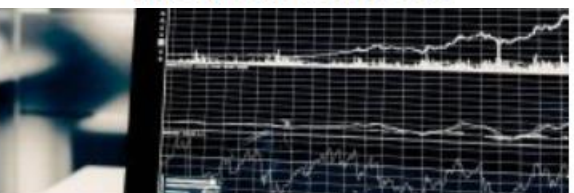
Medical scientist

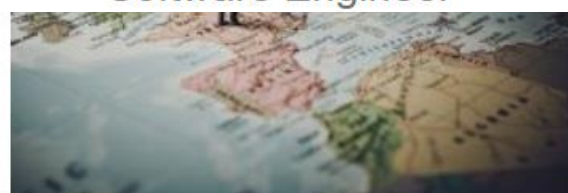Purchasing Agent

Software Engineer

Technical Writer

Foreign Exchange Trader

Forensic Analyst

Geographer

Mechanical Engineer

Climatologist

Computer graphics

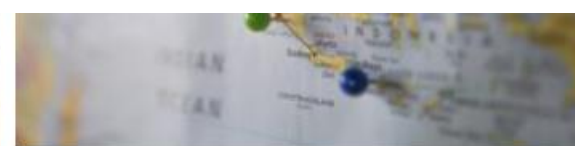Computer Scientist

Cost Estimator

Biologist

Biostatistician

Budget Analyst

Cartographer

Actuary

Air Traffic Controller

Animator

Architect

weusemaths.org