

# Curriculum Journey

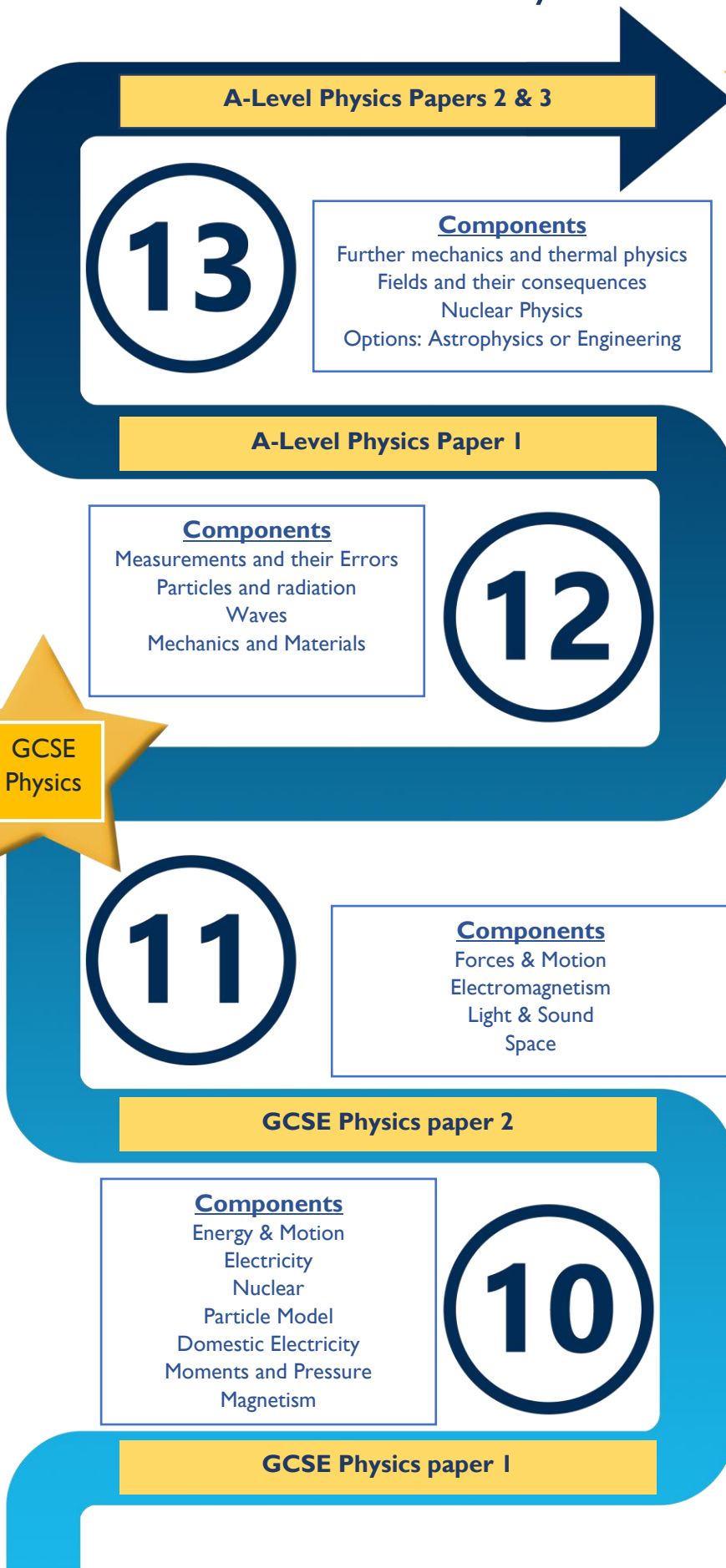
## KS4 & KS5 Physics

**Careers**  
University,  
Apprenticeship  
Medicine,  
Engineering,  
Research,  
Scientist  
Forensics,  
Environmentalist

**NEA**  
  
Required  
Practicals  
  
Endorsement at  
KS5

**Next Steps**  
  
A level Biology,  
Chemistry,  
Physics, BTEC  
Forensic Science

**Skills for Life**  
  
Independence  
Resilience  
Problem solving  
Creativity  
Time  
management  
Communication  
Logical thinking



**Skills and Knowledge Building**

**Mathematical skills:**  
6.1 Arithmetic and numerical computation  
6.2 Handling data  
6.3 Algebra  
6.4 Graphs  
6.5 Geometry and trigonometry

**Practical Skills:**  
Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures  
  
Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: in a theoretical context in a practical context when handling qualitative data when handling quantitative data  
Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to: make judgements and reach conclusions develop and refine practical design and procedures.

**Skills and Knowledge Building**

AO1: Demonstrate knowledge and understanding of scientific ideas; scientific techniques and procedures.

AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.

AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

