

LEARNING JOURNEY

Physics



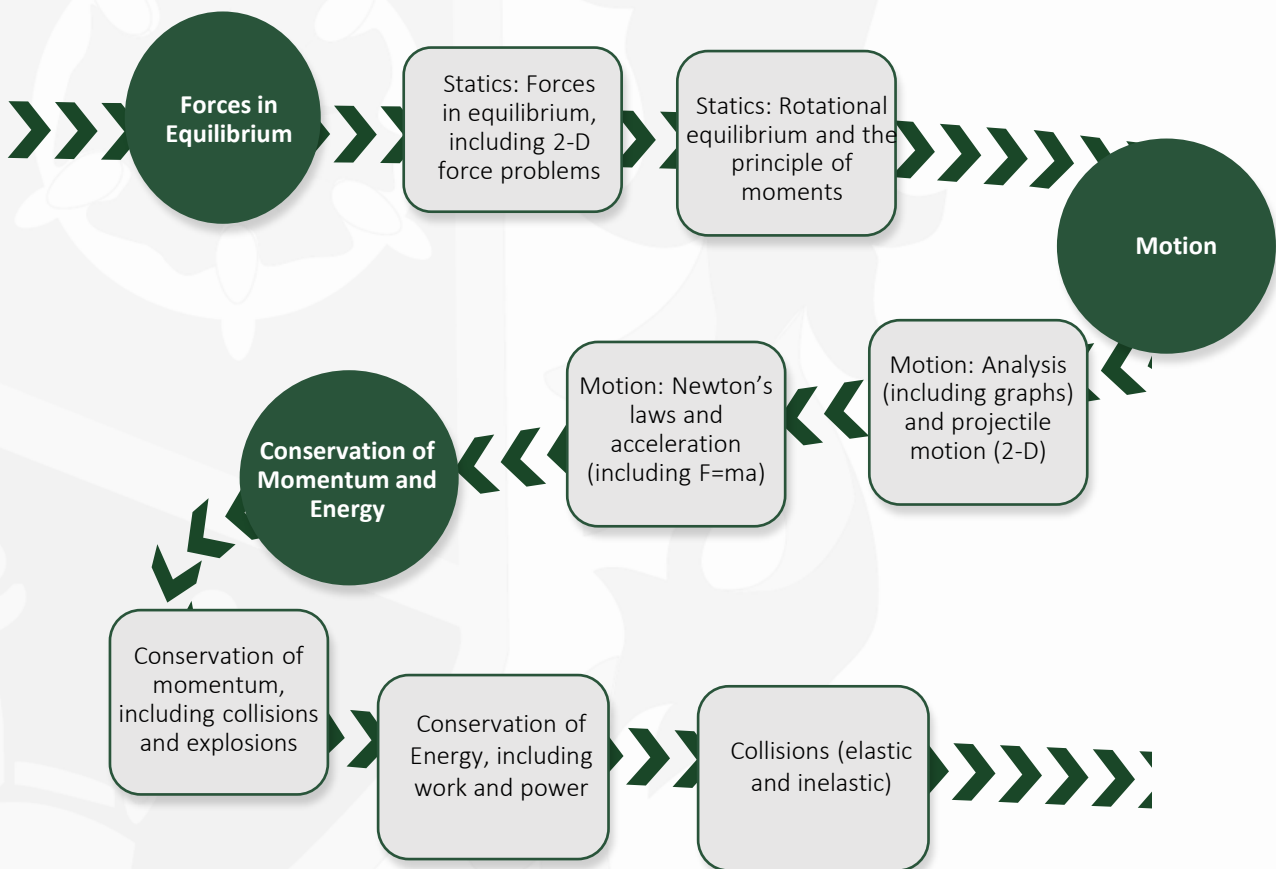
Mechanics

Year 12 Autumn Term (Teacher Two)

Whilst the concepts are broadly similar to GCSE, the complexity of problems will be greater.

Building on GCSE studies of forces, motion and vectors, we will work to develop your conceptual understanding of mechanics (substantive knowledge) and to improve your problem solving and mathematics skills (disciplinary knowledge). For example, will learn to use trigonometry to solve two-dimensional problems that you would have previously solved only using scale diagrams.

A systematic approach to problems-solving, including well-presented working out, is essential in this topic.



TUDOR HABITS

You will continue to work on building your toolbox of problems solving skills to support your metacognition and self-regulation

VOCABULARY:

Resultant, resolve, component, accelerate, impulse, conserved, elastic, inelastic