A Level Mathematics

Chapter 8 - Mechanics

Modelling in Mechanics

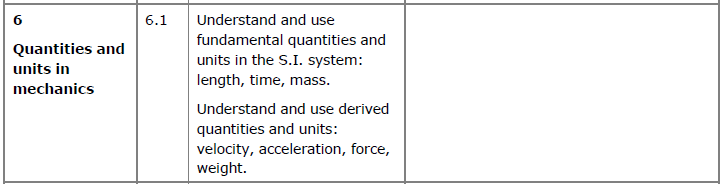
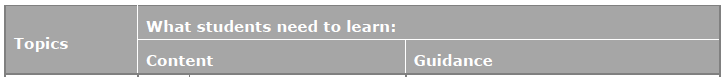
Chapter Overview

1. Constructing a Model

2. Modelling Assumptions

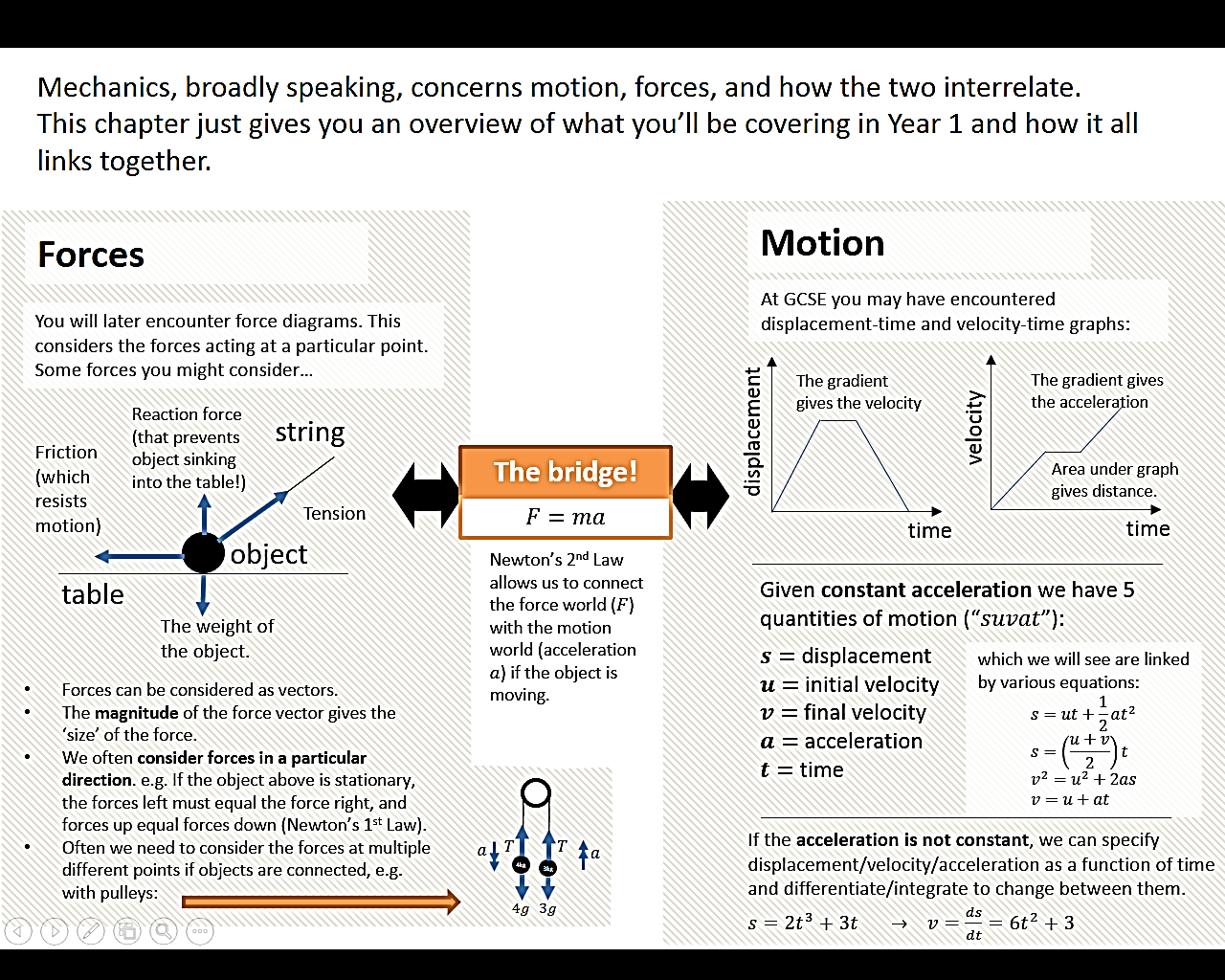
3. Quantities and Units

4. Working with Vectors



**What is Mechanics?**

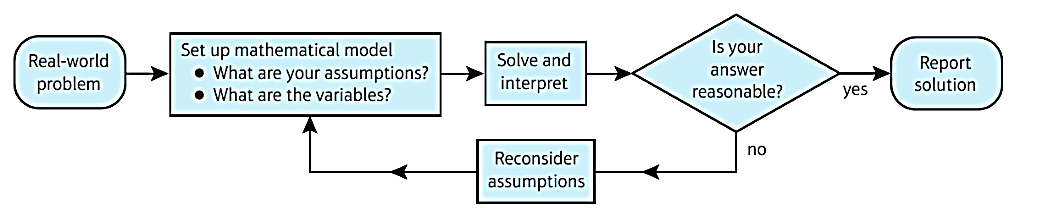
Broadly speaking, mechanics covers motion, forces and how the two inter-relate with each other.



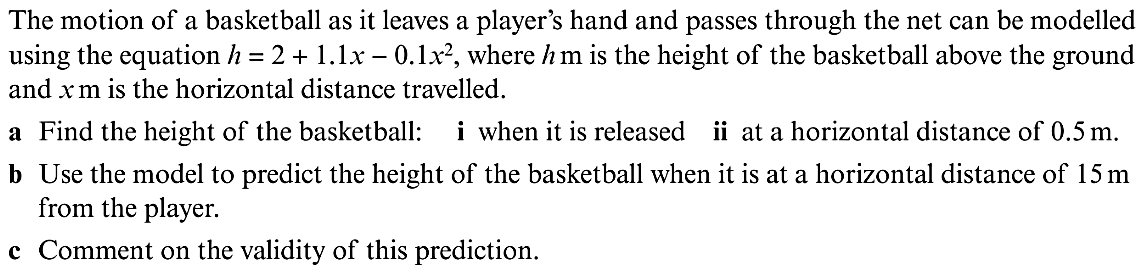
1. **Constructing a Model**

Why use a mathematical model?

The solution to a mathematical model needs to be interpreted in the context of the original problem. You may need to refine the model and reconsider your original assumptions.



**Example** *(Textbook)*



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