Subject	Year 10 Physics Content Spring Term	How to support students' learning
Motion	Summary of Concepts Covered: ➢ Speed ➢ Distance-time graphs. ➢ Acceleration ➢ Velocity-time graphs.	Speed if a basic and fundamental equation, watch the video here to review the content: Speed - GCSE Physics - YouTube Motion graphs are important as you need to know how to draw them and analyse them. Read the BBC Bitesize website to review the content: GCSE Physics - Forces 1 - Motion - YouTube Acceleration is mentioned in the video above, but practice using the equations using this website: Calculating Uniform Acceleration (5.6.13) | AQA GCSE Physics Revision Notes 2018 | Save My Exams
Forces and Motion	Summary of Concepts Covered: ➢ Newton's Second Law. ➢ Newton's Second Law – Required Practical ➢ Inertial mass. ➢ Falling under gravity. ➢ Thinking distance, braking distance, and stopping distance. ➢ Reaction times and thinking distance. ➢ Braking distance. ➢ Energy changes when stopping.	Newton's second law links to motion and resultant forces. The required practical is reviewed in this video here: Newton's 2nd Law - GCSE Science Required Practical - YouTube Falling under gravity is all about terminal velocity and calculating weight, watch these videos: 1. Weight - Weight = Mass x Gravitational Field Strength | W = m x g | GCSE Physics (9-1) | kayscience.com - YouTube 2. Terminal Velocity - GCSE Physics - Terminal Velocity #55 - YouTube Stopping distances incorporates thinking and braking distances. Read through the website here to review the content: Stopping distance - Falling and stopping - GCSE Physics (Single Science) Revision - Other - BBC Bitesize Don't forget to complete the test: Falling and stopping test questions - Other - GCSE Physics (Single Science) Revision - BBC Bitesize You may have determined your reaction time In lesson, read through the procedure here: Reaction Time Ruler - Science World