Subject	Year	Term
Science	9	1

Topic

P5a Forces and Motion

Content (Intent)

Prior Learning (Topic) 7P1 Forces and Motion

- Speed = distance/ time
- What a force is
- How to measure force with a Newton meter
- Types of force, including Weight and Friction

Future Learning (Topic) 11P1 Forces and Motion

How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)
Theory: knowledge of Newton's 1st and 3rd Laws Motion graphs, Hooke's Law Practical: experiments to demonstrate Newton's Laws, especially ball falling in glycerol, springs deforming, use of Newton Meters	- 2 x standard homeworks (Level given. Written feedback. Response expected.) -1 x end of topic test (Level given. Verbal feedback to class and individuals.)

How can parents help at home?

Look at the topic specific resources on the VLE
Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons.
Take an interest! Ask your children what they have learnt and be curious about their learning.

Helpful further reading/discussion

Reading	Vocabulary Lists	Careers Links
https://i-want-to-study-engineering.org/ Forces (BOOM! Science) 2019 by Georgia Amson Bradshaw	Force Weight Drag Friction Resultant Acceleration Newton	Physicist Engineer Environmental engineering Energy companies