

# Central Hub Brighton – Curriculum Topic Information Sheet

Subject	Year	Term
Science - Physics	7,8,9	Autumn1
Topic/s		
Energy and Forces		
Content (Intent)		
Prior Learning (Topic/s):		
Key Stage 2 curriculum		
Future Learning (Topic/s):		
Acids and Alkalis - chemistry		
What Knowledge or Skills will be Taught? (Implementation)	How will your Understanding be Assessed and Recorded (Impact)	
Knowledge	On Going Assessment	
<p>Know sources of energy and the importance of the Sun.</p> <p>Know the difference between renewable and non-renewable energy</p> <p>Understand related issues to using and manufacturing different sources of energy</p> <p>Know that energy can be stored or transferred (wasted but not gone)</p> <p>Explore and understand how different forces act</p> <p>Name and explain forces</p>	<p>Pupil work books</p> <p>Photographs</p> <p>Written and verbal feedback</p> <p>Onwards and Upwards</p>	
Skills	Formal Assessment	
<p>Carry out tests and practicals in a safe and effective way</p> <p>Be able to discuss and explain issues surrounding renewable and non-renewable energies</p> <p>Be able to name and explain forces and how they act.</p>	<p>End of unit open book assessment</p>	
SEMH Curriculum Knowledge & Skills	Assessment of SEMH Development	
<p>Working with others</p> <p>Classroom skills</p> <p>Safe working</p> <p>Positive and functional relationships with adults and peers</p>	<p>Lesson points</p>	
How Can Families Help at Home?		
Visit local windmills – Jack and Jill		

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Visit Rampion visitor's centre  
Look for solar panels around Brighton  
BBC Bitesize

## Helpful Further Reading/Discussion (including Reading and Vocabulary Lists)

Reading	Vocabulary Lists
	Newton Transfer Sankey Renewable Non renewable Calories Joules Kilojoules Force Friction Drag