

Year 9 Home Learning Support Document

In this booklet you will find an outline of your PREP Learning tasks to be completed for this half term.

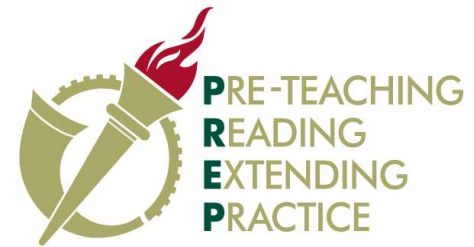
All PREP Learning tasks are essential to your learning in lessons and revolve around three principles:

Practice – helping you to retain and remember information

Reading- helping you to build your knowledge

Extend – helping you to secure knowledge or skills

Pre-Learning– preparing you for learning



Your teachers will give you further resources and put further information surrounding your assignments and put it on Class Charts during the week they are set and all work complete will be used as part of your lesson, so it is important to complete it on time. Due date will be on class charts.

Remember, if you are unsure of the work you need to complete you can: seek support speak/email your teacher.

Summer Term 2025



Subject: ART

Learning Cycle: Mixed Media/ Textiles

Assignment	PREP	Home learning Task	Completed?
1	Pre-Teaching	Monoprinting	
2	Extend	Optional Art Task	

- Colour Theory
- Watercolour
- Painting
- Techniques
- Reflection
- Artist Analysis

Recommended Reading

Youtube Step by Step Guides-
Watercolour background
<https://www.youtube.com/watch?v=Uu6d9pQ3zNQ>
www.bbcbitesize.co.uk For colour theory and links
to Art guides

Key Vocabulary

Learn these using the suggested
activities in your vocabulary
books



Useful Research Sites

Half term 6- Summer Term 2025

Year 9

Subject: Computer Science

Resources to support lessons

Microcontroller, GPIO,
LED, Breadboard,
Sensor, Actuator,
Variable, Loop,
Conditional, Debugging

Key Vocabulary

Websites and Resources to develop your understanding of

1. **Adventures in Raspberry Pi**
by Carrie Anne Philbin
2. **Python for Kids: A Playful
Introduction to Programming** by
Jason R. Briggs
3. **Getting Started with MicroPython
on Raspberry Pi Pico** by Gareth
Halfacree & Ben Everard

1. Raspberry Pi Foundation – Projects
<https://projects.raspberrypi.org/en>
2. W3Schools Python Tutorial
<https://www.w3schools.com/python/>
3. BBC Bitesize – GCSE Computer Science (Physical
Computing & Programming)
<https://www.bbc.co.uk/bitesize/subjects/z34k7ty>


KS3 books and online resources

Summer Term: Summer Term 2025

Year 9 – Physical Computing

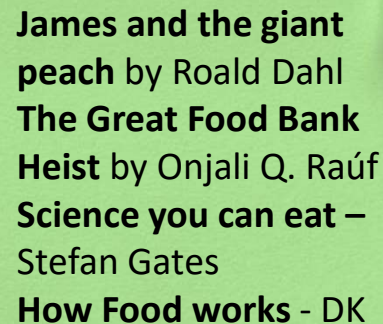
Design Technology: Food Technology

Resources to support lessons

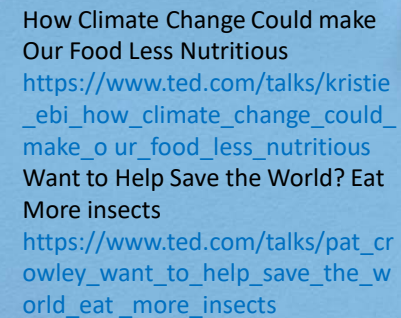
- 
1. Coeliac disease
 2. Lactose intolerance
 3. Modification
 4. Allergies
 5. Sustainability

 **Key Vocabulary**

Websites and Resources to develop your understanding of



James and the giant peach by Roald Dahl
The Great Food Bank Heist by Onjali Q. Raúf
Science you can eat – Stefan Gates
How Food works - DK



How Climate Change Could make Our Food Less Nutritious
https://www.ted.com/talks/kristie_ebi_how_climate_change_could_make_our_food_less_nutritious
Want to Help Save the World? Eat More insects
https://www.ted.com/talks/pat_crowley_want_to_help_save_the_world_eat_more_insects

 **KS3 Books to read**

Design Technology: Clocks

Resources to support lessons

1. Design Movements
2. Design Brief
3. Design Specification
4. Computer Aided Design (CAD)
5. Computer Aided Manufacture (CAM)
6. Computer Numerical Control (CNC)
7. Laser Cutter
8. Bitmap
9. Vector
10. Monochrome

Key Vocabulary

Websites and Resources to develop your understanding of

- **Stuff Matters** – Mark Miodownik
- **No More Plastic** – Martin Dorey
- **Why Materials Matter** – Seetal Solanki
- **Bauhaus** – Magdalena Droste
- **Finnish Design** – Pekka Korvenmaa
- **The Language of Things** - Deyan Sudjic
- **The Design Thinking Playbook** – Wiley

- **Oak Academy:**
https://teachers.thenational.academy/subjects/design-technology?fbclid=IwAR3J6XQzHL4mUbEg1PXSJFpsxrtgQ-FAGbrndWigf_n_oKWPWAYkGuJL3g
- **Design and Technology student:**
<https://technologystudent.com/>
- **BBC Bitesize:**
<https://www.bbc.co.uk/bitesize/subjects/zvg4d2p>
- **Design and Technology Info:**
<http://www.design-technology.info/>
- **STEM:**
<https://www.stem.org.uk/secondary/resources/collections/home-learning-support/d-and-t-resources>

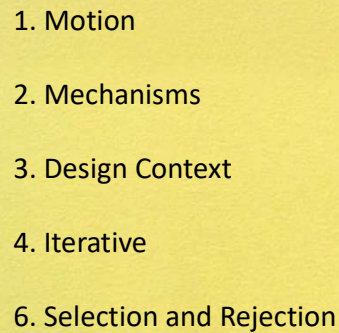
KS3 Books to read

Summer Term 2025

Year 9

Design Technology: Sweet Dispenser

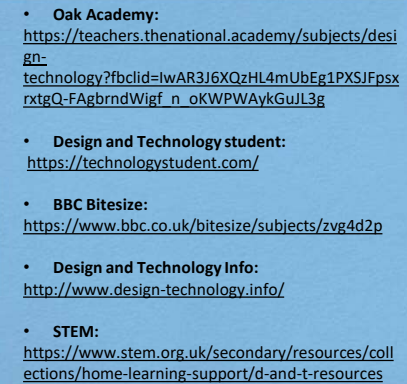
Resources to support lessons

- 
1. Motion
 2. Mechanisms
 3. Design Context
 4. Iterative
 6. Selection and Rejection

Key Vocabulary

Websites and Resources to develop your understanding of

- 
- **Stuff Matters** – Mark Miodownik
 - **No More Plastic** – Martin Dorey
 - **Why Materials Matter** – Seetal Solanki
 - **Bauhaus** – Magdalena Droste
 - **Finnish Design** – Pekka Korvenmaa
 - **The Language of Things** - Deyan Sudjic
 - **The Design Thinking Playbook** – Wiley

- 
- **Oak Academy:**
https://teachers.thenational.academy/subjects/design-technology?fbclid=IwAR3J6XQzHL4mUbEg1PXSJFpsxrtgQ-FAGbrndWjgf_n_oKWPWAYkGuJL3g
 - **Design and Technology student:**
<https://technologystudent.com/>
 - **BBC Bitesize:**
<https://www.bbc.co.uk/bitesize/subjects/zvg4d2p>
 - **Design and Technology Info:**
<http://www.design-technology.info/>
 - **STEM:**
<https://www.stem.org.uk/secondary/resources/collections/home-learning-support/d-and-t-resources>

KS3 Books to read

Drama

Resources to support lessons

KS3 Drama- Ages 11-14. A selection of videos:
<https://www.bbc.co.uk/teach/topics/ce/dpxekg81yt>

Drama Online

<https://www.dramaonlinelibrary.com/>

Recommend to watch:

The Book of Dust (12+)

Treasure Island (9+)

Log in: 4Vcw5Crwx@ Password: 5Jx21Sd/e/

Websites to support

Building on from lesson learning you can use these websites to support you.

Websites and Resources to develop your understanding of

1. **National Theatre- All About Theatre-** written by Marina McIntyre

2. **The Frantic Assembly Book of Devising Theatre (Second edition)** Scott Graham and Steven Hoggett.

Scripts: **Life of Pi-** Based on the novel by Yann Martel. Adapted by Lolita Chakrabarti

The Play That Goes Wrong- by Henry Lewis, Jonathan Sayer and Henry Shields

The National Theatre- Youtube.com

There are loads of great videos on the National Theatre website, but see below some specific clips on developing your physical and vocal skills as an actor.

Developing vocal skills:

<https://www.youtube.com/user/ntdiscovertheatre/search?query=voice>

Developing physical skills:

<https://www.youtube.com/user/ntdiscovertheatre/search?query=physical>

• Understanding Roles and Responsibilities of the Creative Team

<https://www.thenational.academy/pupils/programmes/drama-secondary-year-9/units/understanding-roles-and-responsibilities-of-the-creative-team-c5d2/lessons>

KS3 Books to read

Year 9 Drama

2024- 2025



Subject: English

Learning Cycle 4: Poetry

PREP	Topic	Assignment	Completed?
Reading	Reading	Task - Please ensure you have a reading book for your reading for pleasure lessons.	
Practice	Poetry	Task – Please complete the research task as directed by your teacher.	
Practice/ Ext ending	Poetry	Task –Make a revision quiz for a poem you have studied	
Practice/ Extending	Poetry	Task – make revision flashcards for key quotes	
Practice	Poetry	Task - Complete the analytical writing task as directed by your teacher	
Practice	Poetry	Complete the revision tasks as directed by your teacher for your in-class essay	
Reading	Reading	Please make sure you have a book for the summer and try to complete the reading challenge!	

☐ Omniscient
☐ Corrupt
☐ Tyrant/Tyrannical
☐ Cynical
☐ Dominate
☐ Superior
☐ Sublime
☐ Pervasive
☐ Malevolent

Recommended Reading

- <https://www.bbc.co.uk/bitesize/topics/zprys8>
- <https://www.douglaswise.co.uk/blog/aqa-power-conflict-reading-booklet>
- <https://blogs.bl.uk/english-and-drama/2014/03/wilfred-owen-the-poetry-is-in-the-pity.html>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

✓ Please see the recommendations on the [reading journey](#)

Useful Research Sites

Summer Term 2 - Year 9

Subject: Geography

Learning Cycle 4 - Coasts

PREP	Topic	Assignment	Completed?
Revise	Coasts	Revise the key terms from the coasts knowledge organiser	
Prep	Coasts	Read this article about Durdle Door and write a paragraph about the future of Durdle Door https://www.dorset.live/news/dorset-news/dorsets-durdle-door-doomed-collapse-5616625	
Pre-learn	Coasts	Research landforms along the Jurassic coast and come to lesson knowing examples of different landforms along the Jurassic Coast	

1. Hydraulic Action
2. Coasts
3. Deposition
4. Erosion
5. Longshore Drift

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

<https://www.rgs.org/schools/resources-for-schools/australian-wildfires>

<https://www.natureaustralia.org.au/what-we-do/our-priorities/wildlife/wildlife-stories/desert-dwellers/>

<https://www.daintreerainforest.com/>

Recommended Reading

1. <https://www.rgs.org/schools/resources-for-schools/australian-wildfires>
2. <https://www.gvi.co.uk/blog/smb-9-amazing-adaptations-of-desert-animals/#:~:text=For%20example%2C%20many%20desert%20animals,a%20higher%20tolerance%20for%20salt.>

Useful Research Sites

Summer Term: June-July 2025
Year 8



Subject: History

Learning Cycle 4: How was South Africa Transformed by Empire?

PREP	Topic	Assignment	Completed?
Practice	Early Colonisation	Complete Microsoft forms quiz assigned by class teacher	
Practice	Transformation of South Africa	Complete Microsoft forms quiz assigned by class teacher	

1. Colonisation
2. Boer
3. Zulu
4. Migration
5. Apartheid

Recommended Reading

1. National Archives:
<https://www.nationalarchives.gov.uk/education/resources/apartheid>
2. Encyclopedia Britannica:
<https://www.britannica.com/place/South-Africa/British-occupation-of-the-Cape>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. BBC Bitesize
<https://www.bbc.co.uk/bitesize/articles/zx8sf82>
2. Spartacus Education
https://spartacus-educational.com/British_Empire.htm

Useful Research Sites

Summer Term, 2025
Year 9



Subject: Maths

Learning Cycle: 12, 13, 14 and 15

PREP	Topic	Assignment	Completed?
Practice Extending	Pythagoras Standard form	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Standard form Geometric Sequences	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Standard form Geometric Sequences	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Geometric Sequences Compound Units	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Compound Units Mathematical relationships	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Compound Units Mathematical relationships	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Mathematical relationships	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

Standard form and the number system

Standard form, index, root, convert, integer, rational, irrational, real, ordinary form, place value

Geometric Sequences

Exponential, power, indices, index, oscillate periodic, geometric, multiplicative ratio/common ratio, growth, decay

Compound Units

Compound unit, compound measure, density, mass, volume, unitary, proportion

Mathematical Relationships

Variable, Quadratic, Algebra, Substitute, Expression, Equation, Roots, Parabola, Graph, Intercept, Max/Min Value, Piece-wise

<https://corbettmaths.com/>

and Complete Maths

Extend

Maths talks to blow your mind -

https://www.ted.com/playlists/189/math_talks_to_blow_your_mind

UKMT Papers - Ask your class teacher about these

Have a look at the website <https://parallel.org.uk/>

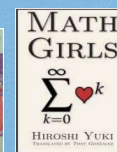
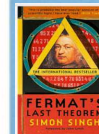
Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Fermat's Last Theorem by Simon Singh

The Man Who Counted by Julio-Cesar de Mello eSouza

Math Girls by Hiroshi Yuki



Recommended Reading

Useful Research Sites

Spring Term— June - July 2025

Year 9

Curriculum Link with Sport



MFL – French

Learning Cycle: The Paris Olympics

PREP	Topic	Assignment	Completed?
Practice	People/Places/Education	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice.	
Practice	People/Places/Education	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice.	
Practice	Describing the Olympics	Learn key question words (15) and complete further research as directed by your teacher	
Practice	Describing the Olympic village + accommodation	Learn accommodation words (15) and describe accommodation	
Practice	Describing Olympic athletes and kits	Describe your favourite athlete + kit	
Practice	Planning a future trip to the Olympics	Learn weather vocab (15) and future trip comprehension	

Les Jeux Olympiques – the Olympics
Les athlètes – the athletes
Le logement – the accommodation
Il y a – there is
Il/elle porte – he/she wears
Je vais assister – I'm going to attend
Ce sera – it will be

Recommended Reading

www.wordreference.com
www.duolingo.com/
www.quizlet.com
www.memrise.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



Les vacances du Petit Nicholas
 by Rene Goscinny
Le Petit Prince
 by Antoine de Saint-Exupéry (available in French and English)



Useful Research Sites



Summer Term– June – July 2025

Year 9



MFL – Spanish

Learning Cycle: Big sporting events

PREP	Topic	Assignment	Completed?
Practice	People/Places/Education	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice.	
Practice	People/Places/Education	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice.	
Practice	Describing the Euros	Learn key question words (15) and complete further research as directed by your teacher	
Practice	Describing the Spanish team's accommodation	Learn accommodation words (15) and describe accommodation	
Practice	Describing the Spanish team and kits	Describe your favourite footballer + kit	
Practice	Planning a future trip to the Euros	Learn weather vocab (15) and future trip comprehension	

La Eurocopa – the Euros
Los futbolistas – the footballers
El alojamiento – the accommodation
Hay – there is
Lleva – he/she wears
Voy a asistir – I'm going to attend
Será – it will be

Recommended Reading

www.wordreference.com
www.duolingo.com/
www.quizlet.com
www.memrise.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

The Fountains of Silence
 by Ruta Sepetys
Furia
 by Yamile Saied Méndez
The Distance Between Us (Young Readers Edition)
 by Reyna Grande

Useful Research Sites

Summer Term– June – July 2025

Year 9



Subject: Music

Resources to support lessons

Hip-Hop

- Chord progression
- Root position
- Ground Bass
- Shakespeare
- FL Studio
- Rap
- Counter-melody

Game Music

- 8-Bit
- FL Studio
- Theme
- Variations
- Texture

Key Vocabulary

Websites and Resources to develop your understanding of

<https://www.youtube.com/watch?v=ort7ZLY-3zo>

Getting started with FL Studio

<https://www.musictheory.net>

This website is perfect for all your note lengths, rests, symbols as well as all the pitches you'll learn.

https://resources.avid.com/SupportFiles/Sibelius/2020.1/Sibelius_Reference.pdf

Extensive support for Sibelius that will be used all year

Recommended listening

Autumn Term: June – July 2025

Year 9

Subject: Physical Education

Resources to support lessons

Tennis:

1. Serve
2. Volley
3. Topspin
4. Forehand and backhand drive
5. Scoring system – Love, 15, 30, 40, Game, Deuce, Advantage

Ultimate Frisbee:

1. Forehand Passing
2. Stacking
3. Cutting
4. Pivoting

Key Vocabulary

Websites and Resources to develop your understanding of

Tennis:

Andy Murray: King of Queens

<https://www.bbc.co.uk/iplayer/episode/m000kbw3/tennis-queens-rewind-1-andy-murray-king-of-queens>

Ultimate Frisbee :

<https://www.youtube.com/watch?v=UnNUEvs2Ev0>

Tennis:

Rules of tennis:

<https://olympics.com/en/news/tennis-rules-regulations-how-to-play-basics>

Ultimate Frisbee:

How to play:

<https://usultimate.org/youth/how-to-play/>

KS3 books and online resources

Religion, Philosophy & Ethics

Resources to support Learning Cycle 3: Life after Death

- Afterlife
- Ghost
- Heaven
- Hell
- Humanism
- Judgment
- Reincarnation

↖ **Key Vocabulary**
Learn these to
support your
learning in lessons

Websites and Resources to develop your understanding

- Case for Heaven (Young Reader's Edition): Investigating What Happens After Our Life on Earth by Lee Strobel
- Heaven is for Real A Little Boy's Astounding Story of His Trip to Heaven and Back as told by Colton Burpo
- What happens when we die? By Chris Morpew

BBC Bitesize: What happens when we die?

<https://www.bbc.co.uk/bitesize/articles/zbgrp7nb>

BBC Bitesize: What does Christianity say about life after death?

<https://www.bbc.co.uk/bitesize/guides/zgqjgdm/revision/2>

BBC Bitesize: What does Hinduism teach about life after death?

<https://www.bbc.co.uk/bitesize/guides/zx3pjty/revision/3>

Life after death belief among non-religious people

<https://www.bbc.co.uk/bitesize/guides/zddbq3/revision/2>

↖ **KS3 Recommended
reading**

Summer Term: 2025

Year 9 Religion, Philosophy & Ethics

Subject: Science

Learning Cycle 3, Cells

PREP	Topic	Assignment	Completed?
Practice	Cells	Knowledge organiser/Glossary	
Practice	Cells	Cells online video lesson- https://cognitoedu.org/courses/ubtopic/b2-gcse-aqa-f-c_1.02	
Practice	Cells	Knowledge organiser/Glossary	
Practice	Cells	Annotate learning steps	
Practice	Cells	Knowledge organiser/Glossary	
Practice	Cells	Revision activities, https://www.bbc.co.uk/bitesize/guides/z2s83k7/revision/1	

1. Cell
2. Magnification
3. Specialised cell
4. Diffusion
5. Unicellular

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. Cells <https://www.bbc.co.uk/bitesize/guides/zpqpqhv/test>

Recommended Reading

1. What are cells?
<https://www.bbc.co.uk/bitesize/guides/zpqpqhv/revision/1>
2. Microscopy:
<https://www.youtube.com/watch?v=SX6mow1AExI>

1. Light microscopes
<https://www.bbc.co.uk/bitesize/guides/zpqpqhv/video>

Useful Research Sites

Spring term: June– July 2025
Year 9

Subject: Science

Learning Cycle 3, Periodic table

PREP	Topic	Assignment	Completed?
Practice	Periodic table	pre-learning tasks https://www.bbc.co.uk/bitesize/guides/zyndcj6/revision/1	
Practice	Periodic table	Knowledge organiser/Glossary	
Practice	Periodic table	Annotate learning steps	
Practice	Periodic table	Knowledge organiser/Glossary	
Practice	Periodic table	Revision activities https://www.bbc.co.uk/bitesize/guides/zyndcj6/revision/1	
Practice	Periodic table	Knowledge organiser/Glossary	

1. Alkali metals
2. Halogens
3. Properties
4. Atomic model
5. Electron

Recommended Reading

1. Arrangement of the periodic table
<https://www.bbc.co.uk/bitesize/guides/ztrxdxs/video>
2. Halogens and Noble gases
<https://www.youtube.com/watch?v=HT1zAPQIBAQ>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. Groups in the periodic table
<https://www.bbc.co.uk/bitesize/guides/ztrxdxs/revision/1>
2. Properties of metals and non-metals
<https://www.bbc.co.uk/bitesize/guides/zwf2k2p/revision/4>

Useful Research Sites

Summer term: June– July 2025
Year 9



Subject: Science

Learning Cycle 3, Structure & Bonding

PREP	Topic	Assignment	Completed?
Practice	Structure & Bonding	Annotate Learning Steps	
Practice	Structure & Bonding	Knowledge organiser/Glossary	
Practice	Structure & Bonding	Annotate Learning Steps	
Practice	Structure & Bonding	Knowledge organiser/Glossary	
Practice	Structure & Bonding	Annotate Learning Steps	
Practice	Structure & Bonding	Knowledge organiser/Glossary	

1. Metallic bond
2. Covalent Bond
3. Ionic Bond
4. Electrostatic attraction
5. Intermolecular force

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Recommended Reading

1. Bonding with atoms
<https://www.youtube.com/watch?v=kNFLsrSpAtA>
<https://www.youtube.com/watch?v=cUKifjMhXRo>
2. Intermolecular forces
<https://www.youtube.com/watch?v=9YwdeEDrPI>

1. Ionic Bonding
<https://www.bbc.co.uk/bitesize/guides/ztc6w6f/revision/1>
2. Metals and alloys
<https://www.bbc.co.uk/bitesize/guides/ztg6y6c/revision/1>
3. Covalent Structures
<https://www.bbc.co.uk/bitesize/guides/zgq8b82/revision/1>
<https://www.bbc.co.uk/bitesize/guides/z373h39/revision/1>

Useful Research Sites

Summer term: June– July 2025
Year 9

Subject: Science

Learning Cycle 3, Conservation and dissipation of energy

PREP	Topic	Assignment	Completed?
Practice	Energy	Knowledge organiser/Glossary	
Practice	Energy	Annotate Learning Steps	
Practice	Energy	Knowledge organiser/Glossary	
Practice	Energy	Annotate Learning Steps	
Practice	Energy	Knowledge organiser/Glossary	
Practice	Energy	Annotate Learning Steps	

1. Energy
2. Conservation
3. Dissipation
4. Efficiency
5. Renewable

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. Energy stores
<https://www.bbc.co.uk/bitesize/guides/z8hsrwx/revision/3>
2. Conservation of energy
<https://mmerevise.co.uk/gcse-physics-revision/conservation-of-energy/>

Recommended Reading

1. Types of energy stores
<https://www.bbc.co.uk/bitesize/guides/z8hsrwx/video>
2. Energy
https://www.youtube.com/watch?v=H6D_ViW0Ch4

Useful Research Sites

Spring term: June– July 2025
Year 9