

Year 8 Home Learning Support Document

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

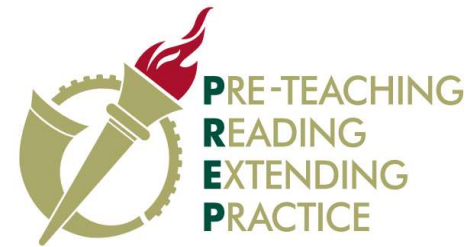
All PREP Learning tasks are essential to your learning in lessons and revolve around four principles:

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 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 to/email your teacher or attend Home Learning Club after school.

Summer Term 2025



Subject: Art

Persuasive Art

Resources to support lessons

Websites to support

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

<https://www.tate.org.uk/kids/make/paint-draw/draw-pre-raphaelite>

<https://www.tate.org.uk/kids/explore/who-is/who-pablo-picasso>

<https://www.thesprucecrafts.com/painting-skin-tones-2678322#:~:text=Limit%20yourself%20to%20two%20or,wide%20orange%20of%20skin%20tones>

Key Vocabulary

- Facial Proportion
- Colour Mixing
- Skin Tone
- Tertiary colour
- Complementary colour

Assignment	PREP	Topic	Home learning	Completed?
1	Pre-Teaching	Persuasive Art – Week 3	In preparation for next week's lesson, watch this video about the importance of typography: The Art of Typography – YouTube	
2	Extend	Art Challenge due week 6	Art Challenge: Street Art	

HFT6: Summer Term, 2025

Year 8

Art Challenge

Art Challenge is a chance for you keen artist to find out more and try something creative out. It will not be marked but we would love to see what you create and celebrate your investigation with you. A new challenge will be set each half term to inspire you beyond the lessons!

Due: Week 6

This term:

Street Art!



Find Out

- Have a look at our Pinterest board full of different Street Art. You might want to find out about where the art has been placed.
- Go to [www.Pinterest.co.uk](https://www.pinterest.co.uk) search for the user 'Arttoothill' and the board Art Challenge.



Try out:

- Design your own street art to share schools PRIDE ethos .
- Be creative in how you make this, you can use digital art, hand drawing or painting.
- Think about the message you could send to visitors, staff and pupils with your art.

Share

- Take a photo of what you have made and email this to your teacher.

Subject: Computer Science

Resources to support lessons

Variable, data type,
iteration, operator,
syntax error,
interpreter, execute,
if-else, algorithm

Key Vocabulary

Websites and Resources
to develop your
understanding of

1. **Python for teenagers** by James R Payne
2. **A beginners guide to Coding** by Mark Scott
3. **CoderDojo Nano** by Mark Hatter

Codecademy Python 3 course:

<https://www.codecademy.com/learn/learn-python-3>

What is Python? Why Python is So Popular? – YouTube video

<https://www.youtube.com/watch?v=Y8Tko2YC5hA>

Using Python for web development

https://www.w3schools.com/django/django_intro.php

KS3 books
and online
resources

Summer Term 2025

Year 8 – introduction to python programming

Subject: Design Technology Food Technology

Resources to support lessons

1. Macronutrients
2. Micronutrients
3. Alternative proteins
4. Calories
5. Dietary requirements

Key Vocabulary

Websites and Resources to develop your understanding of

1. **The Hunger Games** by Suzanne Collins
2. **Close to famous** by Joan Bauer
3. **The Slice** by Greg Taylor

1. Which Type of Milk is Best for You?
https://www.ted.com/talks/jonathan_j_o_sullivan_and_grace_e_cunningham_which_type_of_milk_is_best_for_you
2. How the Food You Eat Affects Your Brain
https://www.ted.com/talks/mia_nacamulli_how_the_food_you_eat_affects_your_brain

KS3 Books to read

Summer Term– Summer Term 2025

Year 8

Subject : Design and Technology Lamp Project

Resources to support lessons

1. Linkages
2. Motion
3. Force
4. Mechanical devices
5. Sustainability

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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– Summer Term 2025
Year 8

Subject : Design and Technology

Passive Speaker

Resources to support lessons

1. Isometric Drawing
2. Product Analysis
3. Aesthetics
4. 2 Point Perspective
6. Planning

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– Summer Term 2025

Year 8

Subject : Design and Technology Textiles

Resources to support lessons

1. Sustainability
2. Block printing
3. Applique
4. Embellishment
6. Embroidery

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- Summer Term 2025

Year 8 Textiles

Drama

Resources to support lessons

KS3 Drama- Ages 11-14. A selection of videos:
<https://www.bbc.co.uk/teach/topics/cedpxekg81yt>

Drama Online

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

Recommend to watch:

Peter Pan (7+)

Treasure Island (9+)

Log in: 4Vcw6Crwx@ Password: 6Jx21Sd/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

Scripts:

- **William Golding's Lord of the Flies-** adapted for the stage by Nigel Williams
- **Bright Young Things-** By Georgia Christou
- **The Demon Headmaster-** Gillian Cross adapted by Adrian Flynn

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>

- Oak Academy, Topical Issues Through Drama, lesson 3 – A Topic and a place part 1.
<https://classroom.thenational.academy/units/topical-issues-through-drama-ut6d7p4>

KS3 Books to read

Year 8 Drama

Summer Term, 2025

Subject: English

Learning Cycle 3: Animal Farm

PREP	Topic	Assignment	Completed?
Reading	Animal Farm	Task – Please make sure you have a reading for pleasure book and are reading for at least 15 minutes every day.	
Practice	Animal Farm	Task – Please complete the analytical writing task as directed by your teacher	
Reading	Animal Farm	Task – Reading your book - Please be prepared to complete a book review on your chosen book.	
Practice	Animal Farm	Task – Select a piece of writing you have completed in class and redraft it.	
Reading	Animal Farm	Task – Reading your book - Please be prepared to complete a book review on your chosen book.	
Extending		Task – Please complete the creative writing task as directed by your teacher	
Reading		Task – Do you have a book for the holidays? Make sure you have a reading book and that you know what your reading target is.	

- ☐ Rhetoric
- ☐ Persuasion
- ☐ Propaganda
- ☐ Manipulation
- ☐ Omniscient
- ☐ Cynical
- ☐ Communism
- ☐ Cyclical
- ☐ Rebellion

Recommended Reading

- <https://www.bbc.co.uk/bitesize/topics/zqp86fr>
- <https://classroom.thenational.academy/search>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Please see unit 3 on your Reading Journey

Useful Research Sites

Year 8 – Summer Term 2

Subject: Geography

Learning Cycle 2: Antarctica

PREP	Topic	Assignment	Completed?
PREP	Superpowers	Read ahead the following article about Superpowers and create a summary page in our books about what makes a powerful country https://www.ndtv.com/world-news/these-are-the-worlds-most-powerful-countries-know-where-india-stands-4976116#:~:text=Global%20power%20is%20characterized%20by,2024%20US%20News%20Power%20Rankings.	
WATCH	India and Superpowers	Watch the following talk and create 10 questions about the video: https://www.youtube.com/watch?v=IsgTt5tdww	

1. Adaptation
2. Polar
3. Hostile
4. Extreme Weather
5. Antarctica

Recommended Reading

1. <https://education.nationalgeographic.org/resource/antarctica/>
2. <https://www.theguardian.com/artanddesign/gallery/2025/mar/26/changes-in-antarcticas-glaciers-and-ice-sheets-in-pictures>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



<https://www.bas.ac.uk/science/science-and-society/education/antarctic-factsheet-geographical-statistics/>

<https://www.secretatlas.com/explorers-club/antarctica/60-interesting-facts-2/>

<https://iaato.org/>

Useful Research Sites



Subject: History

Learning Cycle 3: How did the interwar years have a lasting impact?

PREP	Topic	Assignment	Completed?
Practice	Roaring 20's	Complete the Microsoft Forms Quiz on The Roaring 20s	
Practice	The League of Nations	Complete the Microsoft Forms Quiz on the League of Nations	

1. Blitzkrieg
2. Home Front
3. Blitz Spirit
4. ARP
5. Rationing

Recommended Reading

1. Home Front National Archives
2. <https://www.nationalarchives.gov.uk/education/resources/home-front/>
3. 2. Home Front WWII
4. <https://www.bbc.co.uk/bitesize/articles/z7cgg7h#:~:text=Conscription%2C%20when%20men%20were%20required,known%20as%20the%20Home%20Front.>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



1. John D Clare Webiste
<https://www.johndclare.net/wwii1.htm>

Useful Research Sites



Subject: Maths

Learning Cycle: 12, 13, 14 and 15

PREP	Topic	Assignment	Completed?
Practice Extending	Accuracy with perimeter, area and volume Ratio	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Ratio Algebraic expressions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Ratio Algebraic expressions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Algebraic expressions Translations, rotations and reflections	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Algebraic expressions Translations, rotations and reflections	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Translations, rotations and reflections Diagrams and constructions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Diagrams and constructions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

Accuracy with perimeter, area and volume

Tier 2

Decimal place, equal, estimate, approximate, less than, greater than, area, surface area, volume, formula, cylinder

Tier 3

Significant figure, inequality, circumference, diameter, radius, Pi, perimeter, compound shape, prism

Ratio Fraction, ratio, share, quantity, parts, operation, total, divide, multiply, simplify, lowest terms, reduce, cancel

Algebraic expressions

Expand, collect, term, variable, expression, factor, represent, simplify, like, common, algebra, identity, coefficient, indices, factorise

Translations, Rotations and reflections

Coordinate, Vector, Column, translation, y-axis, x- axis, reflection, rotation, transformation, origin, direction, Cartesian Coordinate, enlargement

Diagrams and constructions

Bearing, Scale factor, Similar (shape), Enlargement

<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

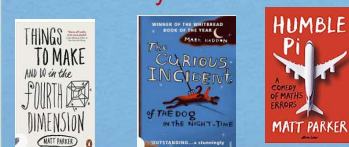
UKMT Papers - Ask your class teacher about these

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

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Things To Make And Do In The Fourth Dimension by Matt Parker
The Curious Incident Of The Dog In The Night-Time by Mark Haddon
Humble Pi by Matt Parker



Recommended Reading

Useful Research Sites

Spring Term– June - July 2025

Year 8

Curriculum link with Product design

Subject: Music

Resources to support lessons

Advanced Notation

- Treble Clef
- Bass Clef
- Stave
- Time Signatures
- Key Signatures
- Accidentals
- F major
- G major
- Ties
- Middle C
- Mnemonics

Advanced Texture & Timbre

- Sibelius
- Texture
- Timbre
- Arranging
- Dynamic symbols
- Legato
- Staccato
- Melody & Accompaniment

Key Vocabulary

Websites and Resources to develop your understanding of

<https://www.youtube.com/watch?v=rEGOihjqO9w>

Rachmaninov's Piano Concerto No. 2

https://www.youtube.com/watch?v=pBM-yXo0TM4&list=PLhCR_8aS9jOPvy871jRUESB0EdgOCD8s1

Getting started with Sibelius

<https://insidetheorchestra.org/2020/06/10/explore-the-instruments-of-the-orchestra/>

This website allows you to hear all the different instruments in the orchestra.

<https://www.musictheory.net>

This website is perfect for all your note lengths, rests, symbols.

Recommended listening

Summer Term: June-July 2025

Year 8

MFL – French

Learning Cycle: Holidays

PREP	Topic	Assignment	Completed?
Practice	Describing normal holidays	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Giving your opinion on holidays	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Talking about past holidays	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Talking about past holidays	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Planning future holidays	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Describing your ideal holidays	Complete week 6 in booklet and revise 6A vocabulary on knowledge organiser.	

Je vais – I go

J'aime visiter – I like to visit

J'ai voyagé – I travelled

J'ai fait – I did

C'était – it was

Je vais aller – I'm going to go

Je voudrais visiter – I'd like to visit

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Little People, Big Dreams, Louis Pasteur / Simone de Beauvoir

Recommended Reading

www.wordreference.com

www.duolingo.com/

www.quizlet.com

www.memrise.com

Passeport foot (various)
By Étienne Bonamy
Le Casque Mystérieux
by Pierre Delaisne

Useful Research Sites

Summer Term– June – July 2025

Year 8



MFL – Spanish

Learning Cycle: Holidays

PREP	Topic	Assignment	Completed?
Practice	Describing normal holidays	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Giving your opinion on holidays	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Talking about past holidays	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Talking about past holidays	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Planning future holidays	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Describing your ideal holidays	Complete week 6 in booklet and revise 6A vocabulary on knowledge organiser.	

Voy – I go

Me gusta visitar – I like to visit

Viajé – I travelled

Hice – I did

Fue – it was

Voy a ir – I'm going to go

Me gustaría visitar – I'd like to visit

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Little People, Big Dreams, Frida Kahlo / Shakira
Aventura en Yucatan
 by Jaime Corpas
Esperanza Rising
 by Pam Munoz Ryan
La Frontera
 by Alfredo Alva

Recommended Reading

www.wordreference.com

www.duolingo.com/

www.quizlet.com

www.memrise.com

Useful Research Sites

Summer Term– June – July 2025

Year 8



Subject: Physical Education

Resources to support lessons

Volleyball

1. Serving
2. Dig
3. Set
4. Spike
5. Block
6. Positions

Concept Curriculum:

1. Screen Time vs Activity Level
2. Physical Health and Benefits
3. Enjoyment and habits
4. Physical literacy

Tennis

1. Forehand
2. Backhand
3. Serving
4. Volleying
5. Lob
6. Smash

Key Vocabulary

Websites and Resources to develop your understanding of

Volleyball

<https://www.nottinghamrocketsvolleyball.co.uk/>

<https://www.bbc.co.uk/bitesize/guides/z8spfrd/revision/4>

<https://www.bbc.co.uk/bitesize/guides/z8spfrd/revision/4>

<https://www.volleyballengland.org/>

Tennis

<https://www.lta.org.uk/fan-zone/international/rothesay-open-nottingham/>

<https://www.lta.org.uk/>

Volleyball

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

Tennis

<https://www.youtube.com/watch?v=1PDas6OjAk>

KS3 books and online resources

Religion, Philosophy & Ethics

Resources to support Learning Cycle 3: Philosophical Thought

- Consequence
- Deontology
- Determinism
- Free Will
- Moral Dilemma
- Scepticism
- Utilitarianism

Key Vocabulary

Learn these to support your learning in lessons

Websites and Resources to develop your understanding

- Philosophy and Ethics (KS3 Knowing Religion) by Robert Orme
- Philosophy for Beginners, Usborne Publishing
- Big Ideas for Curious Minds by The School of Life

The Philosophy Foundation

<https://www.philosophy-foundation.org/enquiries/age:39>

BBC Bitesize: Moral, Ethics & Philosophy

<https://www.bbc.co.uk/bitesize/topics/zkdk382>

BBC Bitesize: An Introduction to the Philosophy of Religion

<https://www.bbc.co.uk/bitesize/topics/zbbdnrd>

KS3 Recommended reading

Summer Term: 2025

Year 8 Religion, Philosophy & Ethics



Subject: Science

Learning Cycle 1, Motion and Pressure

PREP	Topic	Assignment	Completed?
Practice	Motion + Pressure	Research the average speed of different activities and objects.	
Practice	Motion + Pressure	Write a story about a real or imaginary journey and draw a distance-time graph for the journey.	
Pre-Learning	Motion + Pressure	Write a paragraph to explain using words and/or diagrams why a packet of crisps expands when you take it onto an aeroplane.	
Extending	Motion + Pressure	Write a paragraph to explain why a car will sink into the mud when driving across a muddy field but a tractor does not.	
Practice	Motion + Pressure	Review topic for an end of topic test	

- Speed
- Pressure
- Distance-time graph
- Motion
- Moment
- Pivot

Recommended Reading

BBC bitesize:

<https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zw9qwnb#zdk7jsg>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books.

1. <https://www.rocketlit.com/articles/article.php?id=726>
2. <https://www.roadandtrack.com/cars-culture/a42951929/race-car-setup-psychology/>

Useful Research Sites

Summer term : June-July 2025
Year 8



Subject: Science

Learning Cycle 2, Ecosystems and adaptation

PREP	Topic	Assignment	Complete?
Practice	Ecosystems and adaptation	Construct a food web from a different environment. Choose a food chain from your food web to annotate, using key words from the lesson.	
Extending	Ecosystems and adaptation	Produce a poster explaining to farmers how the use of pesticides could lead to the unintended death of fish-eating birds such as herons.	
Extending	Ecosystems and adaptation	Produce a Venn diagram to compare similarities and differences between the factors plants and animals compete for.	
Practice	Ecosystems and adaptation	Revise for end of topic test.	

- Interdependence
- Bioaccumulation
- Biotic
- Abiotic
- Adaptation
- Ecosystem

Recommended Reading

<https://www.bbc.co.uk/bitesize/topics/zxhhvcw>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books.

1. <https://www.bbc.co.uk/news/science-environment-68897433>
2. <https://education.nationalgeographic.org/resource/adaptation-and-survival/>

Useful Research Sites



Summer term : June-July 2025
Year 8

Subject: The Earth

Learning Cycle 3, The Earth

PREP	Topic	Assignment	Complete?
Practice	The Earth	Make a labelled model or collage showing the structure of the Earth. You must include descriptions of each layer to go with your model.	
Practice	The Earth	Use your knowledge organiser to learn the key differences in how sedimentary, metamorphic and igneous rocks are made.	
Extending	The Earth	Produce a comic strip or story of a route around the rock cycle. You should include key words, and names and descriptions of the processes involved.	
Extending	The Earth	Write a newspaper article aimed at members of the public, which explains what the greenhouse effect is, and describes global heating.	
Practice	The Earth	Revise for end of topic test.	

1. The rock cycle
2. The carbon cycle
3. Greenhouse gas
4. Porous
5. Atmosphere
6. Recycle

Recommended Reading

[The rock cycle - The Earth and atmosphere - KS3 Chemistry - BBC Bitesize](#)

Key Vocabulary

Learn these using the suggested activities in your vocabulary books.

[Climate change is hitting the planet faster than scientists originally thought \(nature.com\)](#)

Useful Research Sites