

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

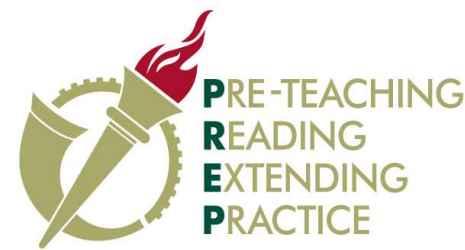
Reading- helping you to build your knowledge

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.



November-December 2024



Subject: Art

Art in Literacy- Catherine Raynor

Websites to support

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

<https://www.bbc.co.uk/bitesize/guides/ztxsrd/revision/1>

<https://www.bbc.co.uk/bitesize/guides/zcdpvj6/revision/3>

Key Vocabulary

- Shape
- Form
- Template
- Manipulate
- Actual Texture
- Visual Texture
- Contour

<u>Assignment</u>	<u>PREP</u>	<u>Topic</u>	<u>Home learning</u>	<u>Completed</u>
1	Practice	Art Literacy Task	<ul style="list-style-type: none">• Write a short story of approx. 100- 200 words featuring the animal you have painted in your illustration. The audience for this story is young children.	
2	Extend	Art Challenge The Optical Illusion (Hoax) Drawing	<ul style="list-style-type: none">• Create a optical illusion 3D drawing	

Autumn Term–October – November 2024

Year 8

Subject: Computer Science

Resources to support lessons

- Binary digits
- Binary numbers
- Coding (encoding/decoding)
- Coding scheme
- Physical medium
- Prefixes

Key Vocabulary

Websites and Resources to develop your understanding of

1. Binary conversion game

<https://studio.code.org/projects/app/ab/iukLbcDnzqgoxuu810unLw>

2. BBC bitesize binary conversions

<https://www.bbc.co.uk/bitesize/guides/zd88jty/revision/3>

3. Computer Coding for Kids

by Carol Vorderman (DK)

Lego braille binary activity

<https://teachinglondoncomputing.org/lego-braille/>

Binary crash course tutorial video

<https://www.youtube.com/watch?v=1GSjbWt0c9M>

Computer science for fun

<http://www.cs4fn.org/>

Future Learn Course – How computers work

<https://www.futurelearn.com/courses/how-computers-work>

KS3 books and online resources

Autumn Term: November - December 2024

Year 8 – Representations: From clay to silicon

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_nacam_ulli_how_the_food_you_eat_affects_your_brain

KS3 Books to read

Subject : Design and Technology
Lamp Project

Resources to support lessons

1. Timbers
2. Coping saw
3. Steel rule
4. Soldering iron
5. Bulb



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



Autumn Term– November-December 2024

Year 8

Subject : Design and Technology

Passive Speaker

Resources to support lessons

1. Hole Cutter
2. Sublimation Printing
3. Forstner Drill Bit
4. Template
5. Accuracy

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=IwAR3J6XQzHL4mUbEg1PXSJFpsrxtgQ-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

Half-Term 2: November-December

Year 8

Subject : Design and Technology Textiles

Resources to support lessons

1. Sustainability
2. Block printing
3. Applique
4. Embellishment
5. 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

Autumn Term– November-December 2024

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: 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

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

2024- 2025

- Please complete weekly reading as set in your Reading for Pleasure lessons.
- Also, complete your fortnightly Writing for Pleasure tasks as set by your teacher.

- Anomalies
- Deduction
- Abhorrent
- Scandal
- Introspective
- Infallible
- Dual nature

Recommended Reading

- https://www.bbc.co.uk/history/british/victorians/crime_01.shtml
- <https://www.bl.uk/victorian-britain/articles/victorian-prisons-and-punishments>
- <https://soundcloud.com/lshtm/lsh-tm-march-2013-podcast-john>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- ✓ *The Usborne History of Britain / The Victorians* by Ruth Brocklehurst
- ✓ *Queen Victoria* by Susanna Davidson
- ✓ *Villainous Victorians / The Vile Victorians* by Terry Deary
- ✓ *Victorians* published by DK Children
- ✓ *The Sherlock Holmes Book: Big Ideas Simply Explained* by David Stuart Davies

Useful Research Sites

MFL – French

Learning Cycle: Free time

PREP	Topic	Assignment	Completed?
Practice	Opinions on film/TV	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Opinions on Netflix/reading	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing past experience	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Describing past experiences	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Describing future experiences	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Describing future experiences	Complete week 6 in booklet and revise 6A vocabulary on knowledge organiser.	

I like watching – **j’aime regarder**
 I hate watching – **je déteste regarder**
 I read – **je lis**
 I went – **je suis allé(e)**
 I watched – **j’ai regardé**
 I’m going to watch – **je vais regarder**
 It will be - **Ce sera**

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

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

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

Recommended Reading

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

Useful Research Sites

Autumn Term– November- December 2024

Year 8



Subject: Geography

Learning Cycle 2 – Africa

PREP	Topic	Assignment	Completed?
Practice	Great Green Wall	Create a research poster all about the Great Green Wall using your lesson knowledge and online research	
Revise	Africa	Revise your key terminology from your Africa Knowledge Organizer	
Pre-learning	Tectonic Hazards	Complete some online preliminary research ahead of your net topic: Hazards. Research – what is a tectonic hazard and what are some examples?	

1. Opportunity
2. Challenge
3. Deforestation
4. Desertification
5. Great Green Wall

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



Recommended Reading



1. [Tectonic Hazards](#)
1. <https://www.bbc.co.uk/bitesize/guides/zxh4wxs/revision/2>

1. [Great Green Wall](https://education.nationalgeographic.org/resource/great-green-wall/)
<https://education.nationalgeographic.org/resource/great-green-wall/>
2. <https://thegreatgreenwall.org/about-great-green-wall>
3. Desertification:
<https://www.iberdrola.com/sustainability/desertification#:~:text=Desertification%20is%20the%20process%20by,shrublands%2C%20decreases%20and%20eventually%20disappears>

Useful Research Sites



Autumn term: October – December 2024
Year 8



Subject: History

Learning Cycle 2: Why was political change so different in Britain and France?

PREP	Topic	Assignment	Completed?
Practice	French Revolution	Complete Microsoft forms quiz assigned by class teacher	
Practice	British Radicalism	Complete Microsoft forms quiz assigned by class teacher	

1. Revolution
2. Radical
3. Republic
4. Massacre
5. Chartism

Recommended Reading

- 1: French Revolution for kids: [French Revolution - Kids | Britannica Kids | Homework Help](#)
- 2: Chartism [Chartism \(spartacus-educational.com\)](#)
- 3: Explain this; Revolution [History | KS3 | Revolution | BBC Teach - YouTube](#)
- 4: Explain this; Chartism [History | KS3 | Suffrage | BBC Teach - YouTube](#)

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



1. French Revolution bites: <https://www.bbc.co.uk/programmes/p00w5plq>
2. Myths of the French Revolution: <https://www.bbc.co.uk/bitesize/articles/z4xx2v4>
3. Political reform in Britain: <https://www.bbc.co.uk/bitesize/guides/zs9jg82/revision/3>



Useful Research Sites



Autumn term: October – December 2023
Year 8

Subject: Maths

Learning Cycle: 4, 5 and 6

PREP	Topic	Assignment	Completed?
Practice Extending	Parallel, Alternate and Corresponding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Sets and Unions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Set and Unions Percentages	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Percentages	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Percentages Sequences and relationships	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Percentages Sequences and relationships	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

Sets and Unions

Tier 2

Intersection, union, set, complement, elements, diagram, data

Tier 3

Carroll diagram, Venn diagram, Enumerate

Percentages

Tier 2

Fraction, decimal, percentage, division, convert, equivalent,

Tier 3

Numerator, denominator, vinculum,

Sequences and Relationships

Tier 2

Term, position, difference, linear, conversion, variable, formula

Tier 3

Arithmetic sequence, nth term, cartesian co-ordinate

<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

Autumn Term– November - December 2024

Year 8

Curriculum link with Product design

Subject: Music

Resources to support lessons

Instruments of the Orchestra

- Orchestra
 - Strings
 - Brass
 - Woodwind
 - Pitched Percussion
 - Unpitched Percussion
 - Conductor
 - Texture
 - Timbre
- Advanced Rhythm
 - Regular Rhythm
 - Syncopation
 - Samba
 - Cross-Rhythm
 - Groove
 - Break
 - Backbeat
 - Bateria

Key Vocabulary

Websites and Resources to develop your understanding of

<https://www.bbc.co.uk/programmes/articles/4GrPtrzVNzpj4vmrr4w5Y2j/listen-to-the-ten-pieces-music>

The BBC 10 pieces will introduce you to different styles of music that we will encounter in this term and beyond.

<https://www.youtube.com/watch?v=eFU9G3vBWbw>

Carnival in Brazil

<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

Autumn Term: September – December 2024

Year 8

Subject: Physical Education

Resources to support lessons

Football

1. Control
2. Passing
3. Movement
4. Creating space

Concept Curriculum:

1. Integrity
2. Empathy
3. Responding to situations
4. Communication

Table tennis

1. Serve
2. Push
3. Drive
4. Scoring

Key Vocabulary

Websites and Resources to develop your understanding of

Football

<https://www.thefa.com/>
<https://www.amazon.co.uk/You-Have-Power-Strength-Believe/dp/1035023164>

Table Tennis

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

Football

<https://www.bbc.co.uk/bitesize/guides/z2bvg82/revision/3>

Table Tennis

<https://www.bbc.co.uk/bitesize/guides/z9m7xsg/revision/1>

KS3 books and online resources

Autumn Term: November – December 2024

Year 8

Subject: Science

Learning Cycle 1, Electricity and Magnetism

PREP	Topic	Assignment	Completed?
Pre-Learning	Electricity and Magnetism	Research a use of electrostatics and write a paragraph to summarise your research	
Practice	Electricity and Magnetism	Create flashcards of the circuit components	
Practice	Electricity and Magnetism	Practice using the resistance equation	
Practice	Electricity and Magnetism	Knowledge organiser learning for series and parallel circuits	
Extending	Electricity and Magnetism	Investigate three uses of magnets around the home or in daily life and write a short paragraph explaining why they are used.	

current
electron
electromagnet field
potential difference
resistance

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

What is electricity?
<https://kids.britannica.com/kids/article/electricity/353091>

Recommended Reading

BBC bitesize KS3 electricity
[Electricity - KS3 Physics - BBC Bitesize](#)
Kerboodle.com

Useful Research Sites

Autumn term: November – December 2024
Year 8



Subject: Science

Learning Cycle 2, Biological process

PREP	Topic	Assignment	Completed?
Practice	Biological processes	Produce a flow diagram to show the main steps in testing a leaf for the presence of starch.	
Practice	Biological processes	Produce a visual representation of how the reactants and products of photosynthesis enter, move through, and leave a plant.	
Practice	Biological processes	Use your knowledge organiser to learn what plants need different mineral ions for.	
Extending	Biological processes	Write an exam-style question on aerobic respiration worth 4 marks. Provide a mark scheme showing how the marks should be given.	
Practice	Biological processes	Construct a Venn diagram to compare aerobic and anaerobic respiration in humans.	

1. Photosynthesis
2. Chlorophyll
3. Respiration
4. Deficiency
5. Fermentation

Recommended Reading

BBC bitesize KS3 the Biological processes.

<https://www.bbc.co.uk/bitesize/courses/zdcg3j6>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. An introduction to the Photosynthesis
<https://www.youtube.com/watch?v=DfbR2ljC80o>
2. Respiration
<https://www.youtube.com/watch?v=6Je1WoO6lSo>

Useful Research Sites

Autumn term: November – December 2024
Year 8



Religion, Philosophy & Ethics

Resources to support Learning Cycle 1: Examples of Discrimination

- Ableism
- Discrimination
- Equality
- Homophobia
- Mysogyny
- Sexism
- Transphobia

Key Vocabulary

Learn these to support your learning in lessons

Websites and Resources to develop your understanding

A Pockeiful of Stars by Aisha Busby, Egmont

Euphoria Kids by Alison Evans, Echo

Moxie by Jennifer Mathieu, Roaring Brook

Truly, Wildly, Deeply by Jenny McLachlan, Bloomsbury

BBC Bitesize: What is Discrimination?

<https://www.bbc.co.uk/bitesize/topics/zyg2xbk/articles/z8yjdp3>

Newsround: What is homophobia?

<https://www.bbc.co.uk/newsround/av/36531375>

Newsround: Let's talk about Sexism

<https://www.bbc.co.uk/newsround/60928436>

KS3 Recommended reading

Autumn Term: November - December 2024

Year 8 Religion, Philosophy & Ethics



MFL – Spanish

Learning Cycle: Free time

PREP	Topic	Assignment	Completed?
Practice	Opinions on film/TV	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Opinions on Netflix/reading	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing past experience	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Describing past experiences	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Describing future experiences	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Describing future experiences	Complete week 6 in booklet and revise 6A vocabulary on knowledge organiser.	

I like watching – **me gusta ver**
 I hate watching – **odio ver**
 I read – **leo**
 I went – **fui**
 I watched – **ví**
 I'm going to watch – **voy a ver**
 It will be - **será**

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

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

Useful Research Sites

Autumn Term– November- December 2024
Year 8

