

Year 7 Home Learning Support Document

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

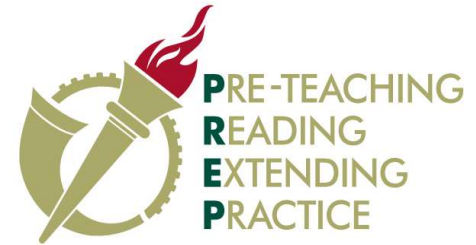
All PREP Learning tasks are essential to your learning in lessons and revolve around four principles:

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

Colour Theory + Sweet Treats Project

Websites to support

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

<https://www.bbc.co.uk/bitesize/guides/z9bbk2p/revision/1>

Key Vocabulary

- Tone /Shading
- Primary
- Secondary
- Complementary
- Analogous

<u>Assignment</u>	<u>PREP</u>	<u>Topic</u>	<u>Home learning</u>	<u>Completed?</u>
1	Practice	Revision task- Colour Theory	<ul style="list-style-type: none">• Revise for the colour theory assessment test in class• Review the knowledge organiser in your sketchbook to prepare	
2	Extend	Create a cake inspired by an artist (The Cake Copy Challenge)	<ul style="list-style-type: none">• Design and then create a cake based on a piece of art by a famous artist	

Autumn Term–October – November 2024

Year 7

Subject: Computer Science

Resources to support lessons

Sequencing, subroutines, execute, Variables, commands, input, process, output, storage, tracing, Expressions, conditions, selection, **If** statements, Operators, logic, Iteration, count-controlled, condition-controlled, debugging

Key Vocabulary

Websites and Resources to develop your understanding of

1. **Hello Ruby: adventures in coding** by Linda Liukas
2. **Best practises of spell design** by Jeremy Kubica

What is block based programming
<https://www.computerhope.com/jargon/b/block-based-programming.htm>

Code.org Scratch projects to stretch and challenge students
<https://scratch.mit.edu/>

10 jobs that make use of coding
<https://www.makeuseof.com/tag/computer-programming-jobs-in-demand/>

How coding has changed the world for the better
<https://www.idtech.com/blog/how-coding-can-change-the-world>

KS3 books and online resources

Autumn Term: November - December 2024

Year 7 – Programming essentials in scratch part 1

1. Sensory descriptors
2. Bridge hold
3. Claw hold
4. Bacteria
5. Pathogens

Key Vocabulary

**Websites and Resources
to develop your
understanding of**

1. **The Secret Cooking Club** by Laurel Remington
2. **Fat Boy Swim** by Catherine Forde
3. **The Cooking Club Detectives** by Ewa Jozefkowicz

1. Will the Ocean Ever Run Out of Fish?
https://www.ted.com/talks/ayana_elizabeth_johnson_and_jennifer_jacquet_will_the_ocean_ever_run_out_of_fish
2. Great for new recipe ideas
www.bbc.co.uk/goodfood.com

KS3 Books to read

Subject : Design and Technology

Mazes

Resources to support lessons

1. Branding
2. Typography
3. Serif
4. Logo
5. Slogan
6. Colour Scheme
7. Net
8. Layout Grid
9. Isometric
10. Belt Sander

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

Half Term 2- November-December

Year 7 Design & Technology – Graphics (Travel Game)

- 1.Render
- 2.Typography
- 3.Concepts
- 4.Marketing
- 5.Iterative

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
- Why Shrink Wrap a Cucumber – Stephen Aldridge
- The Language of Things - Deyan Sudjic
- Change by Design – Tim Brown
- The Design Thinking Playbook – Wiley

- **Oak Academy:**
https://teachers.thenational.academy/subjects/design-technology?fbclid=IwAR3J6XQzHL4mUbEg1PXSJFpsxrxtgQ-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

- 1.Iterative
- 2.Manufacturing
- 3.Properties
- 4.Prototype
- 5.Abrade

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

Drama

Resources to support lessons

KS3 Drama- Ages 11-14. A selection of videos:

<https://www.bbc.co.uk/teach/topics/ced/pxekg81yt>

Drama Online

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

Recommend to watch:

- Peter Pan (7+)
- Treasure Island (9+)

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

Websites and Resources to develop your understanding of

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

Scripts:

- **The BFG** by Roald Dahl- adapted for the stage by David Wood
- **How to Spot an Alien-** by Georgia Christou
- **How to be a Kid-** by Sarah McDonald- Hughes

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>

- Write a verbatim monologue. Oak Academy, Verbatim Lesson 2

<https://classroom.thenational.academy/units/a-devising-unit-a8ae>

Websites to support

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

KS3 Books to read

Year 7 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.

Tier 2: poverty, vulnerable, orphan, novel, corrupt, villain, naïve, vicious, victim, manipulate, brutal

Tier 3: plot, dialect, comeuppance, climax, memoir, malicious

Recommended Reading

BBC Bitesize – The Victorians:
<https://www.bbc.co.uk/bitesize/topics/zq9ysk7/articles/zhj9cmn>

The British Library:
<https://www.bl.uk/people/charles-dickens>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- *David Copperfield* by Charles Dickens
- *The Secret Garden* by Frances Hodgson Burnett
- *Alice in Wonderland* by Lewis Carroll
- *Goodnight Mr Tom* by Michelle Magorian
- *Swallows and Amazons* by Arthur Ransome

Useful Research Sites

MFL – French

Learning Cycle: Personal Descriptions

PREP	Topic	Assignment	Completed?
Practice	Introducing myself	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Describing my appearance	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing my personality	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Describing my likes and dislikes	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Describing myself	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	

My name is – **je m'appelle**
 I am – **je suis**
 I have – **j'ai**
 I like – **j'aime**
 I don't like – **je n'aime pas**
 Because it is – **car c'est**

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Asterix (various)
 by Uderzo + Goscinny
Little People, Big Dreams, Marie Curie / Coco Chanel Madeleine
 By Ledwig Bemelmans
Operation Vide-Grenier
 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 7



Subject: Geography

Learning Cycle 2 – Life on Earth

PREP	Topic	Assignment	Completed?
Practice	Spheres	Create a collage of one of the Earth's spheres and say how your photos/drawings are representative of your sphere.	
Practice	Biosphere	Read the following article from 'The Day' and explain why deforestation in the Amazon is harmful to the Biosphere. https://theday.co.uk/stories/a-football-pitch-of-rainforest-lost-each-minute/simplified	
Practice	Air Pollution	Flipped learning: Watch the following video and note the different types of air pollution https://www.youtube.com/watch?v=e6rglsLy1Ys	

1. Biosphere
2. Lithosphere
3. Hydrosphere
4. Cryosphere
5. Atmosphere

Recommended Reading

1. <https://education.nationalgeographic.org/resource/biosphere/>
2. <https://education.nationalgeographic.org/resource/hydrosphere/>
3. <https://education.nationalgeographic.org/resource/lithosphere/>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. https://gml.noaa.gov/outreach/info/activities/pdfs/TBI_earth_spheres.pdf
2. <https://education.nationalgeographic.org/resource/earths-systems/>
3. <https://www.thoughtco.com/the-four-spheres-of-the-earth-1435323>

Useful Research Sites

Autumn term: October – December 2023
Year 7

Subject: History

Learning Cycle 1: When was it possible to challenge a Medieval Monarch?

PREP	Topic	Assignment	Completed?
Practice	Medieval life	Complete Microsoft forms quiz assigned by class teacher	
Extend	In the same time period elsewhere	Meanwhile Elsewhere – Inca Empire	
Practice	Medieval Empires	Complete Microsoft forms quiz assigned by class teacher	

1. Purgatory
2. Pilgrimage
3. Monastery
4. Magna Carta
5. Plague

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. What was life like in medieval society?
<https://www.bbc.co.uk/bitesize/topics/zbn7jsg/articles/zwyh6a8>
2. The Church's Role in Medieval England:
3. <https://www.bbc.co.uk/bitesize/topics/zbn7jsg/articles/zsjvcxs>

Recommended Reading

1. Magna Carta
<https://www.bbc.co.uk/bitesize/topics/zcyx2v4/articles/zcg66g8>
<https://www.bbc.co.uk/iplayer/episode/b052njpt/horrible-histories-series-6-1-magna-carta-special>
2. Medieval Islamic Civilisations
<https://www.bbc.co.uk/bitesize/topics/z4v6m39/articles/zw8nhcw>

Useful Research Sites

Autumn term: October – December 2023
Year 7



Subject: Maths

Learning Cycle: 4, 5 and 6

PREP	Topic	Assignment	Completed?
Practice Extending	Lines and Angles The probability scale	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	The probability scale Powers, roots and rounding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	The probability scale Powers, roots and rounding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	The probability scale Powers, roots and rounding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	The probability scale Powers, roots and rounding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	The probability scale Powers, roots and rounding Formula, Sequences	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

Probability Scale
Tier 2
 Biased, certain, chance, equal, even, event, expectation, experimental, fair, impossible, independent, likelihood, likely, scale, unlikely, outcome
Tier 3
 mutually exclusive
Powers, Roots and Rounding
Tier 2
 Power, base, root, significant figure, evaluate, simplify
Tier 3
 Exponent, square number, cube number, indices
Formula, Sequences and rules
Tier 2
 Variable, expression, function, represent, bracket, substitute, evaluate, sequence, pattern, power
Tier 3
 Coefficient, indices

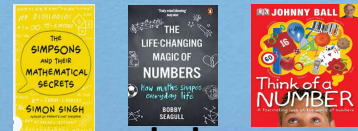
<https://corbettmaths.com/>
 and Complete Maths
Extend
 Maths talks to blow your mind -
https://www.ted.com/playlists/189/math_talks_to_blow_your_mind
 UKMT Papers - Ask your class teacher about these
 Have a look at the website
<https://parallel.org.uk/>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

The Simpsons And Their Mathematical Secrets by Simon Singh

The Life Changing Magic Of Numbers by Bobby Seagull
Think Of A Number by Johnny Ball



Recommended Reading

Useful Research Sites

Autumn Term– November - December 2024

Year 7

Curriculum link with Biology



Rhythm & Pulse

- Pulse
- Call & Response (echo)
- Call & Response (q&a)
- Dynamics
- Cyclic Patterns
- Polyrhythm
- Structure
- Note lengths, symbols & names

Pitch & Notation

- Stave
- Treble Clef
- Bass Clef
- Pitch
- Mnemonics
- Octave
- Time Signature

Key Vocabulary

Websites and Resources to develop your understanding of music

<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.musictheory.net>

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

Recommended listening

Religion, Philosophy & Ethics

Resources to support Learning Cycle 1: World Religions – Eastern Religions

- **Atheist**
- **Guru**
- **Karma**
- **Philosophy**
- **Reincarnation**
- **Samsara**

Key Vocabulary
Learn these to
support your
learning in lessons

**Websites and
Resources to
develop your
understanding**

Usborne Book of World Religions

Usborne Publishing Limited

DK Eyewitness Hinduism

DK Eyewitness Buddhism

DK Eyewitness Sikhism

All the above by DK Publishing

Ltd

**Hinduism: KS3 Religious Studies,
BBC Bitesize**

<https://www.bbc.co.uk/bitesize/topics/zh86n39/articles/zmpp92p>

**Buddhism: KS3 Religious Studies,
BBC Bitesize**

<https://www.bbc.co.uk/bitesize/topics/zh86n39/articles/zmpp92p>

**Sikhism: KS3 Religious Studies, BBC
Bitesize**

<https://www.bbc.co.uk/bitesize/topics/zsjpyrd/articles/zkjpkmn>

**KS3 Recommended
reading**



Autumn Term: November - December 2024

Year 7 Religion, Philosophy & Ethics



Hockey:

1. Front stick
2. Reverse stick
3. Push pass
4. Team work

Concept Curriculum:

1. Awareness – Labelling Emotions
2. Consideration of Self and Others
3. Acceptance
4. Being a Good Friend

Dance

1. Choreography
2. Action/gesture
3. Motif
4. Cannon/unison
5. Formation

Key Vocabulary

Websites and Resources to develop your understanding of

Hockey

<https://www.bbc.co.uk/bitesize/guides/ztnhsg8/revision/3>

Dance

<https://www.bbc.co.uk/bitesize/guides/z3hhycw/revision/1>

Dance

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

Hockey

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

KS3 books and online resources

MFL – Spanish

Learning Cycle: Personal Descriptions

PREP	Topic	Assignment	Completed?
Practice	Introducing myself	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Describing my appearance	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing my personality	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Describing my likes and dislikes	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Describing myself	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	

My name is – **me llamo**
 I am – **soy**
 I have – **tengo**
 I like – **me gusta**
 I don't like – **no me gusta**
 Because it is – **porque es**

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Little People, Big Dreams, Pablo Picasso
Fiesta Sorpresa en Chinchon
 by Jaime Corpas
Mafalda (various)
 by Quino

Recommended Reading

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

Useful Research Sites

Autumn Term– November- December 2024

Year 7



Subject: Science

Learning Cycle 1, Forces

PREP	Topic	Assignment	Completed?
Practice	forces	Draw sketches of forces acting at home, e.g. draw the force arrows for a book on a table, a child on a trampoline, falling ball.	
Practice	forces	Write a short story or comic strip called 'A world without friction'.	
Practice	forces	Use the equation linking weight and mass to determine the weight of the following objects on the Earth, the Moon, and Jupiter: apple, dog, elephant, bus.	
Practice	forces	Revise for end of topic test	

1. Balanced
2. Contact force
3. Friction
4. Force
5. Newton meter

Recommended Reading

1. BBC bitesize KS3 forces
[Introduction to forces - Forces and movement - KS3 Physics - BBC Bitesize - BBC Bitesize](#)
2. Kerboodle.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



A world without friction:
<https://lambdageeks.com/what-would-happen-if-there-was-no-friction/>

Your weight on other planets:
<https://www.exploratorium.edu/explore/solar-system/weight>

Useful Research Sites



Autumn term: November – December 2024
 Year 7

Subject: Science

Learning Cycle 1, Particles

PREP	Topic	Assignment	Complete?
Research	Particles	Research a material of your choice and describe its properties and its uses	
Revision	Particles	Revise the states of matter. You be able to describe the arrangement, movement, and separation of particles in the three main states of matter.	
Practice	Particles	Find two objects from home that have a similar volume and state which object has the higher density, then use the particle model to explain why this is.	
Extending	Particles	Sketch a cooling curve for water. Annotate the cooling curve to show how you would estimate the melting point of water.	
Practice	Particles	Key word glossary revision	
Practice	Particles	Use the particle model to write a short explanation for why wheelie bins seem to smell worse on hot days.	

1. Particle
2. Atom
3. Properties
4. Mixture
5. Density

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Recommended Reading

1. BBC bitesize KS3 the particle model of matter.
<https://www.bbc.co.uk/bitesize/topics/z9r4jxs>

1. An introduction to the particle theory of matter
<https://letstalkscience.ca/educational-resources/backgrounders/introduction-particle-theory-matter>
2. Changing state
<https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zyhntrd>

Useful Research Sites

Autumn term: November– December 2024
 Year 7