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.

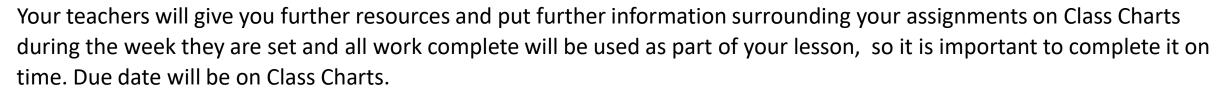
All PREP Learning tasks are essential to your learning in lessons and revolve around four principles:

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



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.





Subject: 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/paintdraw/draw-pre-raphaelite

https://www.tate.org.uk/kids/explore/whois/who-pablo-picasso

https://www.thesprucecrafts.com/paintingskin-tones-

2578322#:~:text=Limit%20yourself%20to%20t wo%20or,wide%20range%20of%20skin%20ton es.

Key Vocabulary

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

Art Challenge



Art Challenge is a chance for you keen artist to find our will be set each half term to inspire you beyond the

This term:

ORIGINAL SELFIE!

- The J. Paul Getty Museum in L.A. challenged its followers during the first Lockdown on Twitter to recreate their favourite artwork at home.
- In a time before cameras portraits where the only way to create am image of your self – are self portraits the original selfie?
- Go to www.Pinterest.co.uk search for the user 'Arttoothill' and the board Art Challenge

Try out:

- We now challenge you to recreate a work of art with objects and people in your own home.
- Choose your favourite artwork
- Find things lying around your house
- Recreate the artwork with those items.

Share

- Create one image and make sure you have taken this with the models permission and that is it an appropriate image.
- Fmail this to your teacher or upload to teams!





Autumn Term – September - October 2023

Year 8



Subject: Computer Science

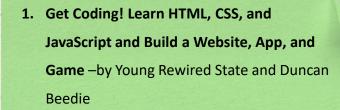
Resources to support lessons

HTML, tags, attribute, directory, render, CSS, head, body, hyperlink, crawler, spider, index, query, Connective, clause, AND, OR, NOT, quote search



Key Vocabulary

Websites and Resources to develop your understanding of



2. Create Your First Website in easy steps (The QuestKids do Coding) —by Daryyl Bartlett

3. How to build a website

https://www.squarespace.com/how-to/build-a-website

HTML tutorial

https://www.w3schools.com/html/

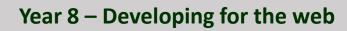
CSS tutorial

https://www.w3schools.com/css/

CSS reference guide

https://www.w3schools.com/cssref/index.php

KS3 books and online resources





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

- 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



Subject : Design and Technology Lamp Project

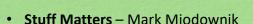
Resources to support lessons

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

7

Key Vocabulary

Websites and Resources to develop your understanding of



- 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

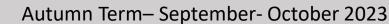
Oak Academy:

https://teachers.thenational.academy/subjects/design-technology?fbclid=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





Subject : Design and Technology Passive Speaker

Resources to support lessons

- 1. Isometric Drawing
- 2. Product Analysis
- 3. Aesthetics
- 4. 2 Point Perspective
- 5. 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

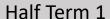
Oak Academy:

https://teachers.thenational.academy/subjects/design-technology?fbclid=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





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/designtechnology?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





Subject: English

Learning Cycle: Sherlock Holmes

PREP	Topic	Assignment	Completed?
Pre- teaching/ Reading	Sherlock Holmes	Task A – Using the internet, everyone must research 3 stories by Arthur Conan Doyle (excluding A Scandal in Bohemia and The Red-Headed League). Task B – Vocabulary 1 - Fill in the first vocabulary box in your Sherlock Vocabulary booklet.	
Practice	Sherlock Holmes	Task A — Everyone should complete the multiple-choice Fortnightly Quiz. Task B — Vocabulary 2 - Fill in the second vocabulary box in your Sherlock Vocabulary booklet.	
Practice/ Extending	Sherlock Holmes	Task A – List all the qualities that you think makes Holmes a good detective, as well as an example of this we see in the stories we have read. Task B – Vocabulary 3 - Fill in the third vocabulary box in your Sherlock Vocabulary booklet.	
Practice	Sherlock Holmes	Task A – Everyone should complete the multiple choice Fortnightly Quiz. Task B – Vocabulary 4 - Fill in the fourth vocabulary box in your Sherlock Vocabulary booklet.	

□ Anomalies
□ Deduction
□ Abhorrent
□ Scandal
□ Introspective

□ Infallible

□ Dual nature

- Recommended Reading
- https://www.bbc.co.uk/hi story/british/victorians/cri me_01.shtml
- https://www.bl.uk/victorian-britain/articles/victorianprisons-and-punishments

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

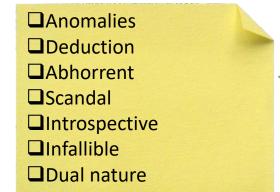




Subject: English

Learning Cycle: Sherlock Holmes

PREP	Topic	Assignment	Completed?
Practice/ Extending	Sherlock Holmes	Task A – Everyone should use their purple pens to add a specific improvement to their assessment, according to the code on their marking. Task B – Vocabulary 5 - Fill in the fifth vocabulary box in your Sherlock Vocabulary booklet.	
Reading	Sherlock Holmes	Task A – Everyone should complete the multiple-choice Fortnightly Quiz. Task B – Vocabulary 6 - Fill in the sixth vocabulary box in your Sherlock Vocabulary booklet.	
Reading	Sherlock Holmes	Task A – Everyone should select a book from the mystery genre they would like to read over the next few weeks. Please bring this to your lesson to show your teacher. Task B – Vocabulary 7 - Fill in the seventh vocabulary box in your Sherlock Vocabulary booklet.	
Practice/ Extending	Sherlock Holmes	Task A – Everyone should read the introduction to 'A Study in Scarlet' again and annotate what makes it a good opening for a detective story Task B – Vocabulary 8 - Fill in the eighth vocabulary box in your Sherlock Vocabulary booklet.	



Recommended Reading

- https://www.bbc.co.uk/histor y/british/victorians/crime_01. shtml
- https://www.bl.uk/victorianbritain/articles/victorianprisons-and-punishments
- https://soundcloud.com/lshtm /lshtm-march-2013-podcastjohn

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: Francophone Figures

PREP	Topic	Assignment	Completed?
Practice	Famous French speakers	Complete week 1 in booklet	
Practice	Famous French speakers	Complete week 2 in booklet	
Practice	Famous historical/cultural figures	Complete week 3 in booklet	
Practice	Narration of achievements	Complete week 4 in booklet	
Practice	Who would your role model be	Complete week 5 in booklet	
Practice	Who would your role model be	Complete week 6 in booklet	

He/she is - il/elle est

He/she has - il/elle a

I get on well with - je m'entends bien avec

I went – je suis allé(e)

I did - j'ai fait

It was - c'était

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, Louis Pasteur / Simone de Beauvoir

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

Useful Research
Sites

Autumn Term- September- October 2023

Year 8



Subject: Geography

Learning Cycle 1: Challenges and Opportunities

PREP	Topic	Assignment	Completed?
Practice	Journey through Africa	You are going on a motorbike journey through Africa and you need to use your map to describe what you see	
Extending	Blood diamonds	Complete the reading and questions on blood diamonds	
Practice	Ecotourism	Design your own eco lodge. Annotate your drawing to show your features and explain why each feature is good for the environment	

- 1. Colonialism
- 2. Blood diamond
- 3. Ecotourism
- 4. Apartheid
- 5. Mitigate

Recommended Reading

- 1. Blood diamonds: https://kids.kiddle.co/Blood diamond
- 2. Ecotourism in Africa:

 https://ecotourismworld.com/the-needfor-ecotourism-inafrica/

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- 1. Apartheid:
 - https://kids.britannica.co m/kids/article/apartheid/3 52764
- 2. The Great Green Wall:

 https://education.national
 geographic.org/resource/
 great-green-wall/

Useful Research
Sites





Subject: History

Learning Cycle 1: To what extent did the Industrial Revolution prove to be both 'disastrous and terrible'?

PREP	Торіс	Assignment	Completed?
Practice	7 M's and Industrial Britain	Complete Microsoft forms quiz assigned by class teacher	
Practice	Industrialisati on and beyond	Complete Microsoft forms quiz assigned by class teacher	
Extend	In the same time period elsewhere	Meanwhile Elsewhere – Indian mutiny (Sepoy Rebellion)	

- 1. Industrial Revolution
- 2. Machinery
- 3. Laissez-Faire
- 4. Cholera
- 5. Miasma

Recommended Reading

1. Origins of Industrial Revolution:

https://www.bbc.co.uk/bitesize/topics/zm7qtfr/articles/z6kg3j6

2. Industrial Britain:

https://www.youtube.com/watch?v=ZlpymRAo Op0

3. Transatlantic Slave Trade:

https://www.bbc.co.uk/bitesize/topics/z 2qj6sg/articles/zfkfn9q

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- 1. British Empire overview:

 https://www.bbc.co.uk/bites
 ize/topics/z7kvf82/articles/zp
 iv3j6
- Experiences of Enslaved people:
 https://www.bbc.co.uk/bites
 ize/topics/z2qj6sg/articles/z6
 cptrd
- 3. Life in Industrial Britain:

https://www.bbc.co.uk/bitesize/topics/zxwxvcw/articles/zntn6v4

Useful Research
Sites

Autumn term: September – October 2023 Year 8



Subject: Maths

Learning Cycle: 1,2 and 3

PREP	Topic	Assignment	Completed?
Practice Extending	Arithmetic operations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Arithmetic operations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Arithmetic operations Solving linear equations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Solving linear equations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Solving linear equations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Solving linear equations Parallel, Alternate and Corresponding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Parallel, Alternate and Corresponding	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problemsolving skills	

Arithmetic operations

Tier 2

Digit, number, value, decimal, integer, negative, subtract, multiply, divide, add, multiple, operation, place value, product, factor

Tier 3

Arithmetic, quotient, dividend, divisor

Linear Equations

Tier 2

Balance, evaluate, constant, solve, substitute, expression, variable, term

Tier 3

Algebra, coefficient, equation, inverse

Parallel, Alternate and Corresponding

Tier 2

Parallel, angle, obtuse, acute, reflex, intersect, alternate, corresponding, interior, exterior,

Tier 3

Equidistant, transversal, supplementary, congruent, vertically opposite

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- September- October 2023

Famous Mathematician Research Project

<u>Muhammed Al Khwarizmi</u>



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/li

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

sten-to-the-ten-pieces-music

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

Carnival in Brazil

https://insidetheorchestra.org/2020/06/1 0/explore-the-instruments-of-theorchestra/

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

https://www.musictheory.net

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

Recommended listening



Subject: Physical Education

Resources to support lessons

Basketball

- 1. Lay-up
- 2. Double dribble
- 3. Triple threat
- 4. Traveling

Gymnastics:

- Leap
- Take off
- Flight
- Landing

Concept Curriculum:

- Personal responsibility
- 2. Effort/Determin ation
- 3. Intrinsic and extrinsic motivation
- 4. Resilience

Key Vocabulary

Websites and Resources to develop your understanding of

Basketball:

https://www.bbc.co.uk/bitesize/guides/zgxxnbk/revision/3

https://www.bbc.co.uk/bitesize/guides/zgxxnbk/revi sion/2

https://www.amazon.co.uk/LeBron-James-Childrens-Book-Became/dp/1539497550

Gymnastics:

https://www.amazon.co.uk/Somersaults-Dreams-Rising-Cate-Shearwater/dp/1405268794

https://www.amazon.co.uk/Nadia-Karlin-Grav/dp/0544319605

Basketball:

https://www.basketballengland.co.uk/

https://www.bbc.co.uk/bitesize/guides/
zy4r9qt/revision/1

Gymnastics

https://www.british-gymnastics.org/

https://www.bbc.co.uk/bitesize/clips/z4ytsbk

Concept Curriculum:

https://www.youtube.com/watch?v=eNqJYIns4 Rk

KS3 books and online resources



Religion, Philosophy & Ethics

Resources to support Learning Cycle 1: **Prejudice and Discrimination**

- Discrimination
- Equality
- Lookism
- Prejudice
- Racism
- Stereotype



Key Vocabulary
Learn these to
support your
learning in lessons

Websites and Resources to develop your understanding

Journey to Jo'burg by Beverley

Naidoo, Harper Collins

The Life of Stephen Lawrence by

Verna Wilkins, Tamarind

The Middle of Nowhere by

Geraldine McCaughrean, Usborne

The Other Side of Truth by Beverley

Naidoo, Puffin Books

BBC Bitesize: What is Discrimination?

https://www.bbc.co.uk/bitesize/topics/zyg2xbk/articles/z8yidp3

Newsround: Stephen Lawrence – Who was he and what happened?

https://www.bbc.co.uk/newsround/43793772

Newsround: What is racism and what can be done about it?

https://www.bbc.co.uk/bitesize/topics/zsdtsbk

KS3 Recommended reading

Autumn Term: September- October 2023

Year 8 Religion, Philosophy & Ethics



Subject: Science

Learning Cycle 1, Body systems

PREP	Торіс	Assignment	Completed?
Practice	Body systems	Knowledge organiser/Glossary	
Practice	Body systems	Carousel learning	
Practice	Body systems	Kerboodle quiz	
Pre-Learning	Body systems	Find out about a skeletal condition, e.g. osteoarthritis, osteoporosis Fact-finding task	
Extending	Body systems	Carousel learning	
Practice	Body systems	Knowledge organiser/Glossary	

- 1. Organ system
- 2. Gas exchange
- 3. Inhale
- 4. Bone marrow
- 5. Joint

Recommended Reading

- 1. BBC bitesize KS3
 skeletal system
 https://www.bbc.
 co.uk/bitesize/top
 ics/znyycdm/articl
 es/zgbddp3
- 2. Kerboodle.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- 1. The function of the skeleton
 - https://www.bbc.co.uk/bi tesize/topics/znyycdm/arti cles/zgbddp3#zykxxbk3
- 2. The human skeleton
 https://www.visiblebody.c
 om/learn/skeleton/overvie
 w-of-skeleton

Useful Research
Sites

Autumn term: September – October 2023 Year 8



Subject: Science

Learning Cycle 2, Elements, atoms and compounds

PREP	Topic	Assignment	Completed?
Practice	Elements, atoms and compounds	Knowledge organiser/Glossary	
Practice	Elements, atoms and compounds	Carousel learning	
Practice	Elements, atoms and compounds	Kerboodle quiz	
Extending	Elements, atoms and compounds	Why does gold have carats? Fact-finding task	
Practice	Elements, atoms and compounds	Carousel learning	
Practice	Elements, atoms and compounds	Knowledge organiser/Glossary	

- 1. Atom
- 2. Compound
- 3. Molecule
- 4. State of matter
- 5. Chemical formula

Recommended Reading

- 1. BBC bitesize KS3
 the particle model
 of matter.
 https://www.bbc.c
 o.uk/bitesize/topics
 /z9r4ixs
- 2. Kerboodle.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- I. An introduction to the particle theory of matter https://letstalkscience.ca/educational-resources/backgrounders/introduction-particle-theory-matter
- Elements, compounds and mixtures
 https://www.bbc.co.uk/bitesize

/topics/zstp34i/articles/zngddp3

Useful Research

Sites

Autumn term: September – October 2023 Year 8



MFL – Spanish

Learning Cycle: Family and relationships

PREP	Topic	Assignment	Completed?
Practice	Giving information about others	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Describing others	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing relationships	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 past experiences	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	

He/she is - es

He/she has - tiene

I get on well with - me llevo bien con

I went - fui

I did – hice

It was - fue

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 – September - October 2023

Year 8

