

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.

Spring Term: February – March 2024

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 5

This term:

Beautiful Words!



Find out:

- Watch this video: <https://www.youtube.com/watch?v=8nx6Cm1DdW0>
- Look at our Pinterest [board](#) containing lots of images of Islamic Calligraphy.

Try out:

- Choose your own words [either in Arabic script or in English letters] and have a go at writing it really beautifully. Think about how the letters can be changed to show more meaning.

Share

- Bring your work in for me to see
- Email a photo to me at ehinchley@toothillschool.co.uk

Subject: Computer Science

Resources to support lessons

autofill, cell reference,
conditional formatting, drag
handle

Key Vocabulary

Websites and Resources to develop your understanding of

1. **Computational fairy Tales** by
Jeremy Kubica
2. **Teenpreneur** by Errol Lawson

Resources to use for data analysis with spreadsheets
en.wikipedia.org/wiki/2016_Summer_Olympics_medal_table
en.wikipedia.org/wiki/2018%E2%80%9319_Premier_League
socialblade.com/youtube

Alternate spreadsheets to Microsoft Excel
<https://www.youtube.com/watch?v=FlkZ1sPmKNw>

Ted Talk – The inventor of spreadsheets
<https://www.youtube.com/watch?v=YDvbDiJZpy0>

KS3 books and online resources

Spring Term: February - March 2024

Year 7 – Modelling data: Spreadsheets



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=IwAR3J6XQzHL4mUbEg1PXSFpsxrxtgQ-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>

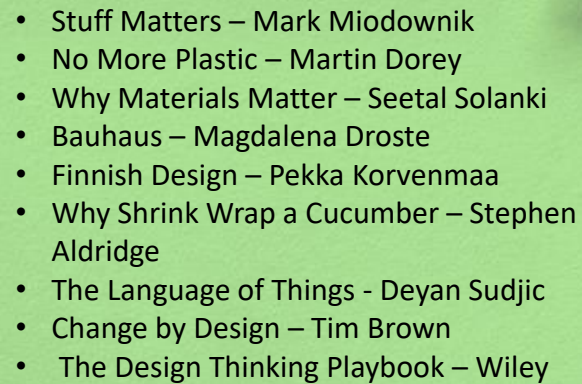
KS3 Books to read

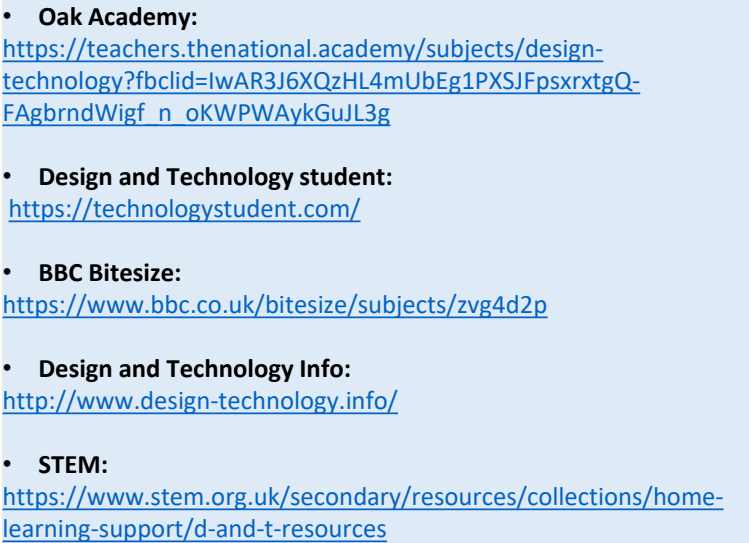


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- 1.Iterative
 - 2.Manufacturing
 - 3.Properties
 - 4.Prototype
 - 5.Abrade


Key Vocabulary

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

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 - The Design Thinking Playbook – Wiley

- 
- **Oak Academy:**
https://teachers.thenational.academy/subjects/design-technology?fbclid=IwAR3J6XQzHL4mUbEg1PXSFpsxrtgQ-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

Spring Term: February - March 2024

Year 7-Pewter

1. Critique
2. Scales of production
3. Embellishment
4. Sewing allowance
5. Applique

↖
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=IwAR3J6XQzHL4mUbEg1PXSFpsxrxtgQ-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



Spring Term: February – March 2024

Year 7 Textiles

1. Critique
2. Scales of production
3. Embellishment
4. Sewing allowance
5. Applique



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=IwAR3J6XQzHL4mUbEg1PXSFpsxrxtgQ-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



Spring Term: February – March 2024

Year 7 Textiles

PREP	Topic	Assignment	Completed?
Practice	Describing school yesterday	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Describing school	Revise your vocabulary from the topic. Use Quizlet to help you to practice. https://quizlet.com/join/Mv7X4Mywz	
Practice	Describing when/where you do sport	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Giving opinions on sport	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Narrating your future plans with sport	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	

Je joue – I play**Je fais** – I do**C'est** – it is**On peut** – you can**Je vais jouer** – I'm going to play**Key Vocabulary**

Learn these using the suggested activities in your vocabulary books

Recommended Readingwww.wordreference.comwww.duolingo.com/www.quizlet.comwww.memrise.com

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

Useful Research Sites

Spring Term: February – March 2024

Year 7

Subject: Geography

Learning Cycle 3 – Globalisation

PREP	Topic	Assignment	Completed?
Extend	Globalisation	Create a poster for a geography display all about global connections. You must pick 1 product that you use and use the poster to explain it's global connections	
Revise and Learn	Globalisation	Revise the key terms from the Globalization Knowledge Organizer in preparation for an in-class vocabulary assessment	
Pre-learning	Weather and climate	The next topic is Weather and Climate. Read the article and make some detailed notes in your book to prepare. https://climatekids.nasa.gov/weather-climate/	

1. Globalisation
2. Migration
3. Sweatshops
4. Weather and Climate

Recommended Reading

1. <https://www.cbsnews.com/news/la-garment-factories-investigation/>
2. <https://www.funkidslive.com/learn/seans-ships-globalisation/#:~:text=Globalisation%20is%20the%20result%20of,operate%20under%20a%20brand%20licence.>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

<https://climatekids.nasa.gov/weather-climate/>

<https://financesonline.com/hello-world-the-economics-of-iphone/>

Useful Research Sites

Subject: History

Learning Cycle 4: **Was the Reformation a Triumph or a Disaster?**

PREP	Topic	Assignment	Completed?
Practice	Causes of the Reformation	Complete Microsoft Forms Quiz	
Practice	Elizabeth's settlement	Complete Microsoft Forms Quiz	

- Reformation
- Christian
- Pope
- Catholic
- Protestant
- Monastery

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

BBC Bitesize

- <https://www.bbc.co.uk/bitesize/topics/zwcsp4j/articles/zgkcr2p>

Parliament History

<https://www.historyofparliamentonline.org/schools/ks3/reformation>

Recommended Reading

- Why did Henry Break with Rome? Royal Greenwich
<https://www.rmg.co.uk/stories/topics/why-did-henry-viii-break-rome#:~:text=Henry%20wanted%20to%20marry%20Anne,of%20the%20break%20with%20Rome.>

Useful Research Sites

Spring term: February – March 2024
Year 7

Subject: Maths

Learning Cycle: 6, 7, 8 and 9

PREP	Topic	Assignment	Completed?
Practice Extending	Formula, Sequences Using Measurements	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Formula, Sequences Using Measurements	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Using measurements Representing and interpreting data	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Representing and interpreting data	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Representing and interpreting data	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Representing and interpreting data	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

Formula, Sequences and rules

Tier 2

Variable, expression, function, represent, bracket, substitute, evaluate, sequence, pattern, power Tier 3 Coefficient, indices

Using Measurements

Tier 2

Minute, Timetable, Hour, Digital/analogue, Pence/pound, Convert, Difference

Representing and Interpreting Data

Tier 2

Relationship, tally, range, represent, frequency, variable, proportional, sector, angle, sum

Tier 3 Axis, pictogram, data, diagram, graph, horizontal, vertical, scale, circle

Order of operations

Tier 2

inverse, square, cube, power, root, operation, product, sum, evaluate, equals, brackets

Tier 3 Addition, Subtraction, Multiplication, Division, square root, cube root, indices, commutative

<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

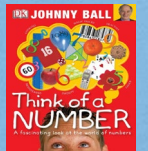
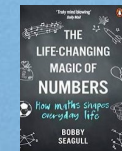
UKMT Papers - Ask your class teacher about these
Have a look at the website <https://parallel.org.uk/>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

The Life Changing Magic Of Numbers by Bobby Seagull

Think Of A Number by Johnny Ball



Recommended Reading

Useful Research Sites

Spring Term: February - March 2024

Year 7

Curriculum link with Biology



Rhythm & Pulse

- Pulse
- Call & Response (echo)
- Call & Response (q&a)
- Dynamics
- Cyclic Patterns
- Polyrrhythm
- 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

Tag Rugby:

1. Possession
2. Range of pass
3. Drift Defence
4. Tag
5. Go forward

Concept Curriculum:

1. Awareness – recognise emotions
2. Consideration of self and others
3. Acceptance of own emotions
4. Being a good friend

Rowing:

1. Push/pull
2. Coordination
3. Stroke rate
4. Resistance

Key Vocabulary

Websites and Resources to develop your understanding of

Tag Rugby:

<https://www.bbc.co.uk/newsround/av/34218159>

Rowing:

<https://www.bbc.co.uk/bitesize/articles/zrx28xs>

Tag Rugby:

https://youtu.be/v7e8Y8g3sGY?si=qhYzM7AlDaBrK_Ek

Rowing:

<https://youtu.be/EAXjPZInTUY?si=iKsPacGs1KFaNhQ>

KS3 books and online resources

Religion, Philosophy & Ethics

Resources to support Learning Cycle 2: Religion and the Media

- Bias
- Censorship
- Evangelism
- Freedom of Speech
- Hate Speech
- Media

Key Vocabulary

Learn these to
support your
learning in lessons

Websites and Resources to develop your understanding

- DK Eyewitness Religion by DK Publishing Ltd
- Religion: A Discovery in Comics by Margreet de Heer
- The Brick Testament: The world's largest illustrated Bible in Lego
<https://thebrickbible.com/legacy/>

Expressing the Spiritual through Art, Music and Literature, BBC Bitesize

<https://www.bbc.co.uk/bitesize/topics/zkdk382/articles/zjqcf4j>

CBBC Newsround: Importance of Religion

<https://www.bbc.co.uk/newsround/17617402>

Newsround: What is Islamaphobia?

<https://www.bbc.co.uk/newsround/40324678>

KS3 Recommended reading



Spring Term: February – March 2024

Year 7 Religion, Philosophy & Ethics

PREP	Topic	Assignment	Completed?
Practice	Light	Knowledge organiser/Glossary	
Practice	Light	Carousel learning	
Extending	Light	Research the shape of the moon over one month	
Extending	Light	Who was Ibn al-Haytham? Fact-finding task	
Practice	Light	Carousel learning	
Practice	Light	Knowledge organiser/Glossary	

1. Refraction
2. Reflection
3. Dispersion
4. Luminous
5. Prism

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

When is the next solar eclipse?
<https://www.space.com/33784-solar-eclipse-guide.html>

Recommended Reading

BBC bitesize KS3 light
<https://www.bbc.co.uk/bitesize/topics/zm9mxbk/articles/ztmisp4j>

Newton's Light Spectrum Experiment
<https://www.youtube.com/watch?v=-b1F6jUx44>

Prisms and colour
https://www.schoolphysics.co.uk/age11-14/Light/text/Prisms_and_colour/index.html

Useful Research Sites

PREP	Topic	Assignment	Completed?
Practice	Describing school yesterday	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
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Je joue – I play**Je fais** – I do**C'est** – it is**On peut** – you can**Je vais jouer** – I'm going to play**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

Spring Term: February – March 2024

Year 7