

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

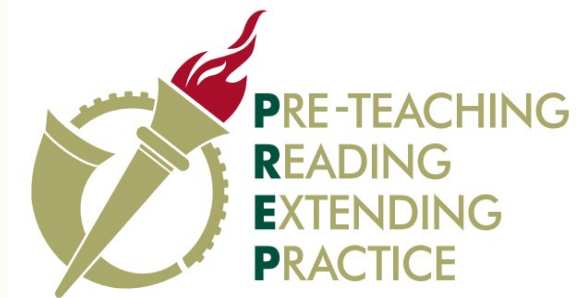
Reading- helping you to build your knowledge

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.



Summer Term: April – May 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:

Land Art!



Find out:

- Look at our Pinterest board containing images of **Andy Goldsworthy's** art.
- <https://pin.it/2UU8BVV>

Try out:

- Go on your own walk and leave your mark on nature by arranging natural materials. Think about the shapes and colours you are using.

Share

- Take a photo of your land art to show us.
- Email this photo to your teacher!

Subject: Computer Science

Resources to support lessons

3G, 4G, 5G, bandwidth, bit, broadband, buffering, hub HTTP, Internet of Things (IoT), Internet Protocol, mainframe, megabit, gigabit, IP address, packet header, packet payload, Transmission Control Protocol, Voice over Internet Protocol (VoIP), WiFi

Key Vocabulary

Websites and Resources to develop your understanding of

1. **Brown dogs and Barbers** by Karl Beecher
2. **Hacker** – Malorie Blackman
3. **Chicken Clicking** – Jeanne Willis

Submarine cable map of the intercontinental connections
<https://www.submarinecablemap.com/>
Internet Speed Test
<https://www.speedtest.net/>
YouTube Videos
<https://www.youtube.com/watch?v=Dxcc6ycZ73M>
https://www.youtube.com/watch?v=ewrBaT_eBM
<https://www.youtube.com/watch?v=ZTM9GA-4nBA>

KS3 books and online resources

Summer Term: April - May 2024

Year 7 – Networks: From semaphores to the internet



1. Design Context
2. Design Brief
3. Rendering
4. Oblique
5. Parallel
6. End User
7. Computer Aided Design (CAD)
8. Computer Aided Manufacture (CAM)
9. Vector
10. Bitmap

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=IwAR3J6XQzHL4mUbEg1PXSJFpsrxrtgQ-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: April - May 2024


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



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- No More Plastic – Martin Dorey
- Why Materials Matter – Seetal Solanki
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- Finnish Design – Pekka Korvenmaa
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- Change by Design – Tim Brown
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- **Design and Technology student:**
<https://technologystudent.com/>
- **BBC Bitesize:**
<https://www.bbc.co.uk/bitesize/subjects/zvg4d2p>
- **Design and Technology Info:**
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- **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

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Key Vocabulary

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to develop your
understanding of**

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- **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>

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KS3 Books to read



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
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- Change by Design – Tim Brown
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- **Design and Technology student:**
<https://technologystudent.com/>
- **BBC Bitesize:**
<https://www.bbc.co.uk/bitesize/subjects/zvg4d2p>
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<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



PREP	Topic	Assignment	Completed?
Reading	A Midsummer Night's Dream	Reading task 1	
Reading	A Midsummer Night's Dream	Reading task 2	
Reading	A Midsummer Night's Dream	Reading task 3	
Practice	A Midsummer Night's Dream	Complete the writing task set by your teacher.	
Reading	A Midsummer Night's Dream	Reading task 4	
Practice	A Midsummer Night's Dream	Complete the writing task set by your teacher.	

Tier 2: influence, script, myth, severe, unrequited love, mock, chaos, resolve

Tier 3: groundlings, conflict, soliloquy, comedy, tragedy

Recommended Reading

BBC Bitesize – KS3 A Midsummer Night's Dream:
<https://www.bbc.co.uk/bitesize/topics/zxgcmn>

The Globe:
<https://www.shakespearesglobe.com/>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



Michael Morpurgo's Tales from Shakespeare

Shakespeare (DK Eyewitness)

What's So Special About Shakespeare? By Michael Rosen

Useful Research Sites



PREP	Topic	Assignment	Completed?
Practice	Narrating your future plans with sport	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Narrating your future plans with sport	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	
Practice	Narrating what sport/activities you've done recently.	Complete week 5 in booklet and revise 5A vocabulary on knowledge organiser.	
Practice	Descriptions/ Education/ Hobbies	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice. https://quizlet.com/join/Mv7X4Mywz	
Practice	Descriptions/ Education/ Hobbies	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice. https://quizlet.com/join/Mv7X4Mywz	

Je joue – I play
Je fais – I do
C'est – it is
On peut – you can
Je vais jouer – I'm going to play
J'ai joué – I played

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Recommended Reading

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

Summer Term: April – May 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

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/>

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.>

Useful Research Sites

Summer Term: April – May 2024
Year 7

Subject: History

Learning Cycle 5: How Glorious was Tudor England?

PREP	Topic	Assignment	Completed?
Practice	Impact of the Reformation	Complete Microsoft Forms Quiz	
Practice	Tudor Lifestyle	Complete the Microsoft forms quiz	

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

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

BBC Bitezise

- <https://www.bbc.co.uk/bitezise/topics/zwcsp4j/articles/zgkcr2p>
- <https://www.bbc.co.uk/bitezise/topics/zwcsp4j/articles/zb84cmn>

Recommended Reading

- [Life in Tudor society](#)

<https://www.history.co.uk/articles/black-tudors-the-fascinating-lives-of-africans-living-in-tudor-england>

Useful Research Sites

PREP	Topic	Assignment	Completed?
Practice Extending	Order of operations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Order of operations Linear Equations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Order of operations Linear Equations	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Linear Equations Properties of shape	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Linear Equations Properties of shape	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Linear Equations Properties of shape Ratio	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

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

Linear Equations

Tier 2 - variables, identity, expression, equals, inverse, function, unknown, operations, power

Tier 3 - Algebra, arithmetic, equations, formula, indices

Properties of Shapes

Tier 2 - obtuse, kite, interior, compasses, segment, plane, solid, edge, face

Tier 3 - Triangle, Isosceles, right angle, equilateral, scalene, acute, square, rectangle, trapezium, parallelogram, quadrilateral, rhombus, parallel, circle, semi-circle, diameter, chord, arc, circumference, quadrant, radius, protractor

2D (2 Dimensional), cube, prism, sphere, vertex, (non)polyhedron, cylinder, pyramid, cone, cuboid, 3D (3 Dimensional)

Ratio

Tier 2 - Ratio, proportion, fraction, simplify, equivalent, quantity

Tier 3 - Multiplication, division, HCF

<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

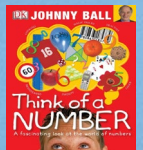
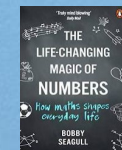
UKMT Papers - Ask your class teacher about these
Have a look at the website <https://parallel.org.uk/>

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

Summer Term: April - May 2024

Year 7

Famous Mathematician Research Project

Leonhard Euler

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

Rounders:

1. Batting
2. Throwing
3. Catching
4. Long barrier
5. Bowling

Athletics:

1. Pacing
2. Sprint start
3. Chin, knee, toe
4. Javelin grip

Concept Curriculum:

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

↖ **Key Vocabulary**

Websites and Resources to develop your understanding of

Rounders:
<https://www.shoeburyness.secat.co.uk/attachments/download.asp?file=1238&type=pdf>

Athletics:
<https://www.royalnavy.mod.uk/navyfit/sports/associations/athletics>
<https://classroom.thenational.academy/units/athletic-activity-acquiring-techniques-f894>

Rounders:
<https://www.roundersengland.co.uk/content/uploads/2018/08/Simplified-Rules-2018.pdf>

Athletics:
<https://www.britishathletics.org.uk/>

↖ **KS3 books and online resources**

Religion, Philosophy & Ethics

Resources to support Learning Cycle 3: Belief in God: Arguments for God

- Agnostic
- Atheist
- Creation
- God
- Miracle
- Proof
- Theist

Key Vocabulary

Learn these to support your learning in lessons

Websites and Resources to develop your understanding

- The Brick Testament: The world's largest illustrated Bible in Lego
<https://thebrickbible.com/legacy/>
- What is Humanism? How do you live without a god? And Other Big Questions for Kids
by Michael Rosen

The Existence of God: Creation Stories, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv2fgwx/revision/6>

The Existence of God: The First Cause Argument, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv2fgwx/revision/2>

The Existence of God: Religious Experiences, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv2fgwx/revision/4>

KS3 Recommended reading



Spring Term: April – May 2024

Year 7 Religion, Philosophy & Ethics

PREP	Topic	Assignment	Completed?
Practice	Reactions	Knowledge organiser/Glossary	
Practice	Reactions	Carousel learning	
Practice	Reactions	Kerboodle quiz	
Pre-Learning	Reactions	Research examples of exothermic and endothermic reactions in everyday life.	
Extending	Reactions	Carousel learning	
Practice	Reactions	Knowledge organiser/Glossary	

1. Reactants
2. Products
3. Reaction
4. Conservation of mass
5. Endothermic
6. Exothermic
7. Oxidation
8. Thermal decomposition

Recommended Reading

BBC bitesize KS3 chemical reactions:
<https://www.bbc.co.uk/bitesize/topics/zy-psgk7>

Kerboodle.com

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

- How fireworks work:
<https://www.bbc.co.uk/news/av/science-environment-46075239>
- Exothermic reactions:
<https://studiousguy.com/exothermic-reaction-examples-everyday-life/>

Useful Research Sites

PREP	Topic	Assignment	Completed?
Practice	Acids and Alkalis	Knowledge organiser/Glossary	
Practice	Acids and Alkalis	Carousel learning	
Practice	Acids and Alkalis	Kerboodle quiz	
Extending	Acids and Alkalis	Who invented the pH scale and why is it so useful? Fact-finding task	
Practice	Acids and Alkalis	Carousel learning	
Practice	Acids and Alkalis	Knowledge organiser/Glossary	

1. Acid
2. Alkali
3. Indicator
4. pH scale
5. Neutralisation

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. What is an acid or a base?

<https://www.sciencebuddies.org/science-fair-projects/references/acids-bases-the-ph-scale>

2. Acids and alkalis

<https://www.bbc.co.uk/bitesize/guides/zyn3b9q/revision/1>

Recommended Reading

1. BBC bitesize KS3 Acids and Alkalis
<https://www.bbc.co.uk/bitesize/topics/zn6hvcw>

2. Kerboodle.com

Useful Research Sites

PREP	Topic	Assignment	Completed?
Practice	Narrating your future plans with sport	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
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Practice	Descriptions/ Education/ Hobbies	As directed by your teacher. Revise your vocabulary from the topics. Use Quizlet to help you to practice. https://quizlet.com/join/UfXvaWujP	
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Juego – I play
Hago – I do
Es – it is
Se puede – you can
Voy a jugar– I'm going to play
Jugué – I played

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

Recommended Reading

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

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

Useful Research Sites

Summer Term: April – May 2024

Year 7