

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

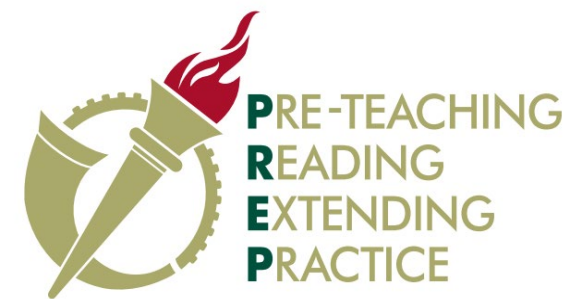
Reading- helping you to build your knowledge

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: June – July 2024

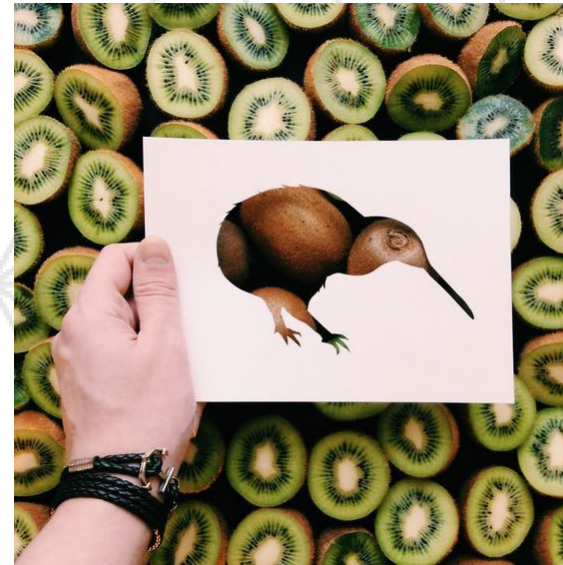
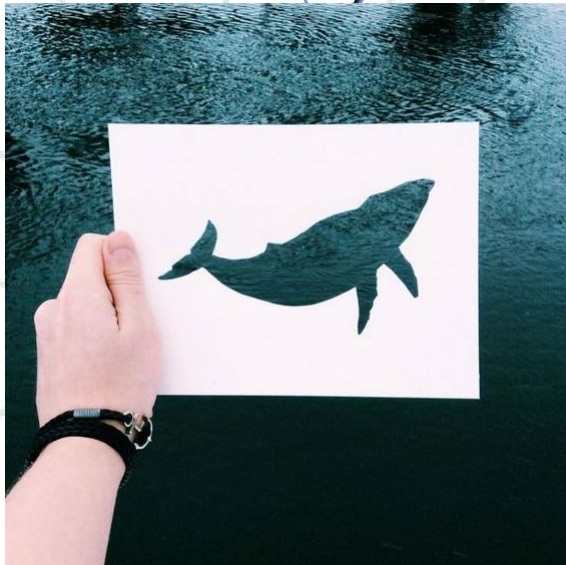
Art Challenge

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 6

This term:

Silhouettes in Art!



Find out:

- Look at our Pinterest board containing images of **Nikolai Tolstyh's** art.
- Go to www.Pinterest.co.uk search for the user '**Arttoothill**' and the board Art Challenge

Try out:

- Choose an animal silhouette and draw it onto some white paper
- Cut this out but folding the paper for the first cut. Keep the outside not the inside.

Share

- Take this into nature and try it out in front of different backgrounds.
- Take a photo of your work to show us.
- Email this to your teacher.

Condition, condition-controlled, count-controlled, decomposition, iteration, repeat until, subproblems, subroutine

Key Vocabulary

Websites and Resources to develop your understanding of

1. **Computational fairy Tales** by Jeremy Kubica
2. **A beginners guide to Coding** by Mark Scott
3. **Code.org projects**
<https://studio.code.org/projects/public>

Coder Prodigy – advanced Scratch
<https://coderprodigy.com/p/advanced-scratch>

Why programming is important - YouTube:
<https://www.youtube.com/watch?v=Dv7gLpW91DM>

KS3 books and online resources

- 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=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



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

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- **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



1.Iterative

2.Manufacturing

3.Properties

4.Prototype

5.Abrade



Key Vocabulary

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- **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



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



Key Vocabulary

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to develop your
understanding of**



- Stuff Matters – Mark Miodownik
- No More Plastic – Martin Dorey
- Why Materials Matter – Seetal Solanki
- Bauhaus – Magdalena Droste
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- **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



PREP	Topic	Assignment	Completed?
Reading	Evolving Language	Reading task 1	
Reading	Evolving Language	Reading task 2	
Reading	Evolving Language	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

Key Vocabulary

Learn these using the suggested activities in your vocabulary books



Recommended Reading



<https://www.bbc.co.uk/bitesize/topics/z4hrt39>

BBC Bitesize English KS3

<https://toothillschool.co.uk/data/documents/11/English.pdf>

Follow the above link for recommended links relevant to Evolving Language!

Useful Research Sites



PREP	Topic	Assignment	Completed?
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	
Practice	Describing where you live	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
Practice	Describing facilities	Complete week 2 in booklet and revise 2A vocabulary on knowledge organiser.	
Practice	Describing where you live	Complete week 3 in booklet and revise 3A vocabulary on knowledge organiser.	
Practice	Describing recent activities in town	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	

J’habite – I live
Il y a – there is
Il n’y a pas de – there isn’t
On peut – you can
Je suis allé – I went
Je voudrais habiter – I’d like to live

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

Summer Term: June – July 2024

Year 7



Subject: Geography

Learning Cycle 4 –Weather and Climate

PREP	Topic	Assignment	Completed?
REVISE	Weather and Climate	Revise the weather and climate key terms from your Knowledge Organiser	
PRE-READ	Weather and Climate	Read the attached article and create a summary page in your book about it: https://news.sky.com/story/families-forced-to-evacuate-panama-island-due-to-rising-sea-levels-13146859	
Prep	Weather and Climate	Revise the case study detail about Hurricane Harvey from your knowledge organiser	

1. Climate
2. Greenhouse Gases
3. Carbon dioxide
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: June - July 2024
Year 7

Subject: History

Learning Cycle 5: How Glorious was Tudor England?

PREP	Topic	Assignment	Completed?
Practice	Significance of Tudor England	Complete Microsoft Forms Quiz	
Practice	Gloriana	Complete the Microsoft forms quiz	

- Reformation
- Christian
- Circumnavigation
- Gloriana
- Theatre
- Trade

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

Subject: Maths

Learning Cycle: 11, 12, 13 and 14

PREP	Topic	Assignment	Completed?
Practice Extending	Properties of shapes Ratio	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Properties of shapes Ratio	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Ratio Graphs of linear functions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Ratio Graphs of linear functions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Graphs of linear functions	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Graphs of linear functions Congruent and similar shapes	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	
Practice Extending	Congruent and similar shapes	'Complete Maths' weekly retrieval quiz to practice your fluency and extend your problem-solving skills	

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

Graphs of linear functions

Tier 2 - Axis, coordinate, point, plot, gradient, positive, negative

Tier 3 - Cartesian, equation, parallel

Congruent and Similar shapes

Tier 2 Similar

Tier 3 Congruent, Enlargement, Scale factor

<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

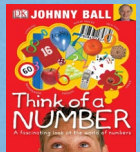
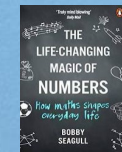
Have a look at the website <https://parallel.org.uk/>

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: June - July 2024

Year 7

Curriculum link with Biology



Rhythm & Pulse

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

Voll

1. Batting

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

Athletics:

1. Take off
2. Flight
3. Trajectory
4. Transfer of weight

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

Ultimate Frisbee:

<https://www.bbc.co.uk/sport/articles/czvjpwggz28o>

Athletics:

<https://www.royalnavy.mod.uk/navyfit/sports/associations/athletics>

<https://classroom.thenational.academy/units/athletic-activity-acquiring-techniques-f894>

Cricket Rules

<https://www.youtube.com/watch?v=AqtpNkMvj5Y>

Ultimate Frisbee:

<https://www.ukultimate.com/play>

<https://www.ukultimate.com/rules-of-ultimate>

Athletics:

<https://www.bbc.co.uk/sport/athletics>

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

KS3 books and online resources

Religion, Philosophy & Ethics

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

- Agnostic
- Atheist
- Big Bang theory
- Evolution
- God
- Proof
- Problem of Evil

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: The Big Bang, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv2fgwx/revision/10>

The Existence of God: Evolution, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv2fgwx/revision/11>

The Existence of God: The Problem of Evil and Suffering, BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zv93rwx/revision/5>

KS3 Recommended reading



Spring Term: June – July 2024

Year 7 Religion, Philosophy & Ethics

PREP	Topic	Assignment	Completed?
Practice	Space	Knowledge organiser/Glossary	
Practice	Space	Carousel learning	
Practice	Space	Knowledge organiser/Glossary	
Practice	Space	Carousel learning	
Practice	Space	Knowledge organiser/Glossary	
Practice	Space	Carousel learning	

1. Satellite
2. Eclipse
3. Phase
4. Constellation
5. Axis

Recommended Reading

1. Explore the solar system with NASA
<https://science.nasa.gov/solar-system/>

Key Vocabulary

Learn these using the suggested activities in your vocabulary books

1. How did we discover planets?
<https://airandspace.si.edu/stories/editorial/how-did-we-discover-planets>
2. Different theories on the origin of the solar system:
<https://www.rmg.co.uk/stories/topics/origin-solar-system>

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

Recommended Reading

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

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>

Useful Research Sites

PREP	Topic	Assignment	Completed?
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/UfXvaWujiP	
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	
Practice	Describing where you live	Complete week 1 in booklet and revise 1A vocabulary on knowledge organiser.	
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Practice	Describing recent activities in town	Complete week 4 in booklet and revise 4A vocabulary on knowledge organiser.	

Vivo en – I live in
Hay – there is
No hay – there isn't
Se puede – you can
Fui – I went
Me gustaría vivir – I'd like to live

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: June – July 2024

Year 7

