



Reach For The Stars

Summer Homework
Year 5 to Year 6

Art and Design



Visit your local park

It's on your doorstep!

Why not have a go at creating a temporary sculpture?

- **Collect twigs and leaves**
- **Create something that scares you!**
- **Create a fantasy creature!**
- **Create a mini beast obstacle course!**

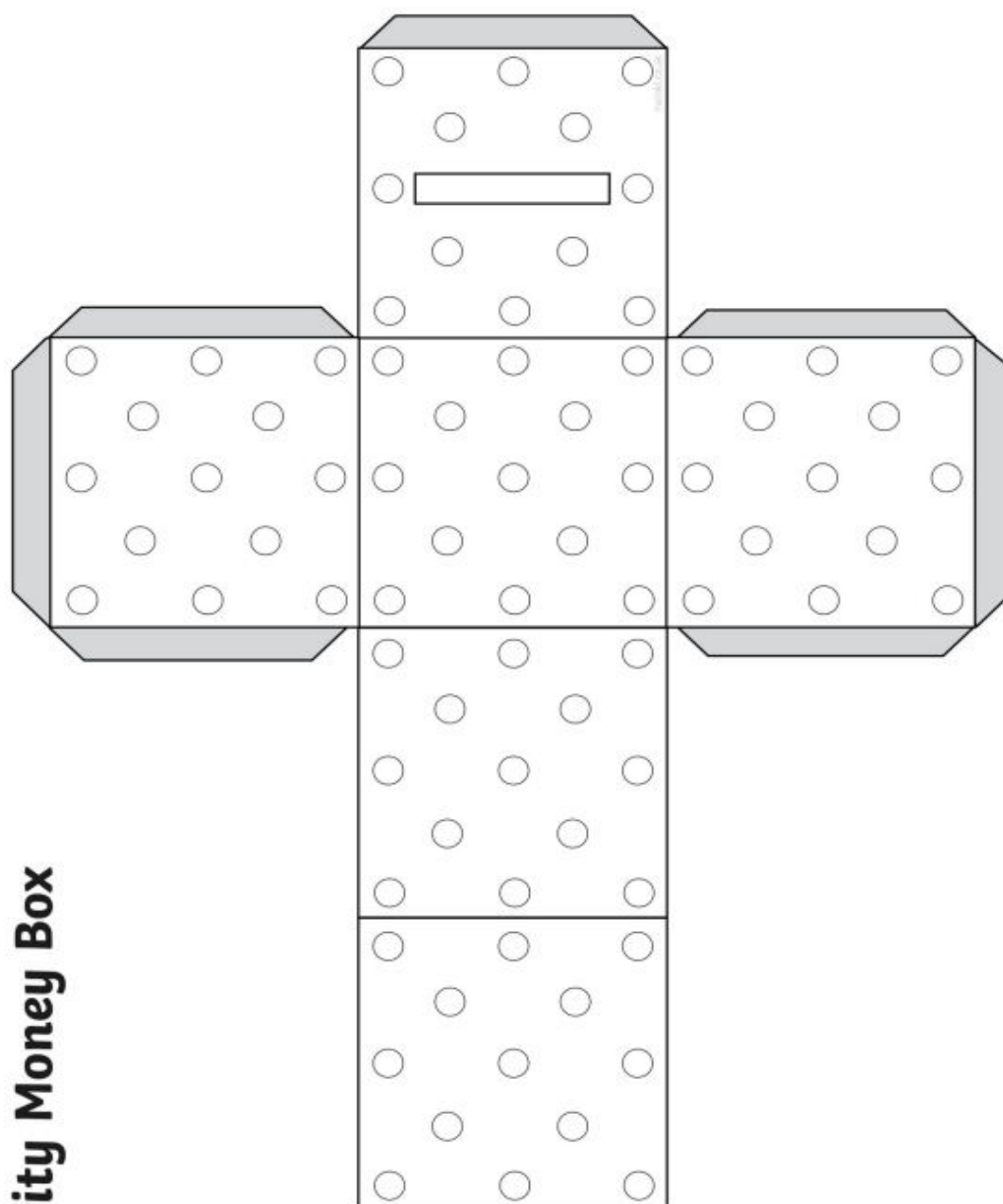
Year 6 Autumn term topic: Let's Get Packing!

Visit the Imperial War Museum (SE1 6HZ)
Visit Tate Modern – FREE!

Please check websites for updated information and to pre book tickets
for visits.



Make your own charity box by tracing the design below and start collecting change from friends and family for a charity of your choice.



Charity Money Box

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Hands-on Humanities

London is full of some of the best museums in the world – they can take us to far-flung places, transport us back through history and expose us to mind-blowing ideas. Many are FREE to visit and some have excellent workshops for children!

Challenge: can you visit a **different museum each week**?

Some museum suggestions and their nearest tube stations:

- Tower of London- Tower Hill (ONLY £1 for Tower Hamlets residents but you must take proof of name and address AND your Idea Store card OR Tower Hamlets Leisure Services card)
- Museum of London - Moorgate
- Victoria & Albert Museum – South Kensington
- Museum of Childhood – Bethnal Green
- Geffrye Museum – Hoxton
- Museum of London Docklands – West India Quay (DLR)
- British Museum – Russell Square
- National Maritime Museum – Greenwich (Main line) or Cutty Sark (DLR)



Local walks

Be a London Explorer! Try getting out and about by going for walks in your local area – you'll be amazed what you could discover! While you're out, see if you can complete these challenges:

- sketch some of your favourite buildings
- make a list of what there is to do in the park for local people
- How many different fruits can you find in the market? Where are they from in the world?
- Can you find any buildings with blue plaques (circle tiles) on the walls? What do they say? Normally they are about famous people...
- walk down a main street and make a list of all the different types of shops

Year group challenge: World War Two

Have you ever heard of World War Two? In Year 6 You will be learning about the events that led up to the war. Use the website below to do some background research. Create a fact file with your findings.



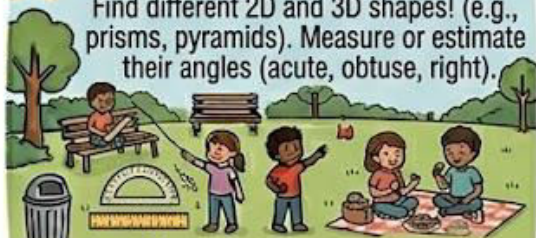
<http://www.primaryhomeworkhelp.co.uk/Britain.html>

YEAR 5 TO YEAR 6: SUMMER HOLIDAY ACTIVITIES

Challenges to Prepare for Your Next Step!

1 PARK SHAPE & ANGLE DETECTIVE!

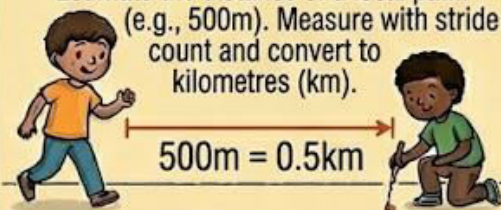
Find different 2D and 3D shapes! (e.g., prisms, pyramids). Measure or estimate their angles (acute, obtuse, right).



Level Up: How many pairs of parallel and perpendicular lines can you spot?

2 STEP COUNTER & MEASUREMENT

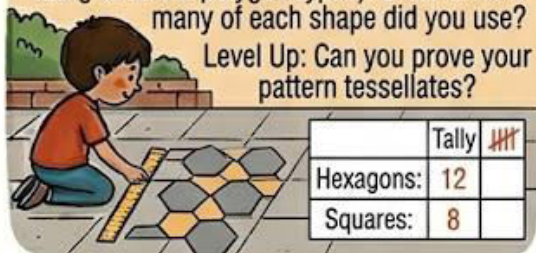
Estimate the distance of a local path! (e.g., 500m). Measure with stride count and convert to kilometres (km).



Level Up: What is the perimeter and area of a simple patio or paved area?

3 PAVING TESSULATION CHAMPION!

Design a complex tessellation pattern! (e.g., using different polygon types). Draw it! How many of each shape did you use?



Level Up: Can you prove your pattern tessellates?

	Tally	
Hexagons:	12	
Squares:	8	

4 TALLY-A-TRAFFIC SURVEY!

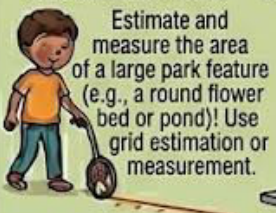
Watch the street for 15 minutes! Count and tally different vehicle types (cars, buses, bikes, vans). Level Up: Represent your data with a detailed bar chart or a simple pie chart!



GHERKIN'S SHADOW & DATA LOG!

MEASURE A PATH!

Estimate and measure the area of a large park feature (e.g., a round flower bed or pond)! Use grid estimation or measurement.



ESTIMATE ANGLE ARC!

On a sunny day, estimate and measure the shadow length of a famous building's model!



BUG & NATURE GHERKIN'S SHADOW! COUNT!

Find and count small bugs and flowers. Total your count.



A RIVER TRAFFIC & RATIO SURVEY!

Look at a stretch of river! Count and tally different boat types (pleasure, work, freight).



Work: 6
Pleasure: 12

Level Up: What is the ratio of work boats to pleasure boats? Work:Pleasure = 1:2

PRACTICE YOUR YEAR 5 SKILLS! GET READY FOR YEAR 6!



AN AMAZING SUMMER OF MATHS!

Maths Fun!

Rules For Playing KenKen®

The numbers you use in a KenKen puzzle depend on the size of the grid you choose. In a 4 x 4 grid, use numbers 1 to 4.

The numbers in each heavily outlined set of squares, called cages, must combine (in any order) to produce the target number in the top corner using the mathematical operation indicated (+, -, ×, ÷).

Here's how you play:

1. Use each number only once per row, once per column.
2. Cages with just one square should be filled in with the target number in the top corner.
3. A number can be repeated within a cage as long as it is not in the same row or column.

4+	2÷		1-
1	2	4	3
3	12×	2	4
2÷	2	3	1
4	2-	1	2

6+	24×	2÷	
		2-	
		6×	4
3-			

3-	1-		2-
	2÷		
2-		2÷	
6×		5+	



Can you spot the differences? [Gergely Dudás/Dudolf](#)

Year 6



Science in the Summer

Why do we have a Digestive system?
How do we inherit some features from our parents? What is milk made of? These are tough questions but all you need to answer them is natural

curiosity and a love of science.

Here are some tips to help guide you in sparking your interest in science:

- Visit the Science and Natural History Museums and see wonderful galleries and exhibitions. I especially like the WonderLab (at the Science museum) as it's got some fantastic activities for you to investigate. It's open Wednesday - Sunday, from 10am - 6pm. But please note that you will have to buy a day pass for this interactive gallery. Also please note that entry to the Science Museum is **free but pre-booking is required. So you must book a free Museum Admission ticket in order to enter the museum.**

[Science Museum](#)

- Entry to the Natural History museum is also free but you **must pre book your free ticket** in advance. [Natural History Museum](#)

- Please ensure that you check the websites for up to date information before visiting.

- Why not try some At- Home Activities from the Centre Of the Cell website? [Learn and play - Centre of the Cell](#)

- Have you played the fabulous science games on the BBC Bitesize science website? [KS2 Science - BBC Bitesize](#)



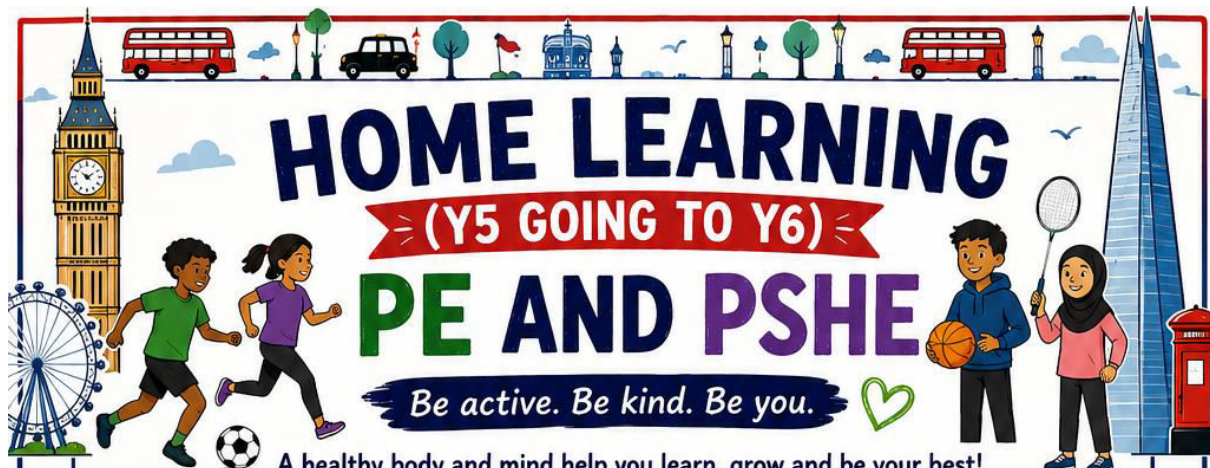
There's loads of exciting games, quizzes and activities for you to try out.

Science challenge



Learn to spell these words: **inheritance, genes, evolution, characteristics, variation, natural selection, adaptation, inherit, inheritance**

Design a new animal or plant to survive on an alien planet. You will need to create your imaginary habitat first. Is it hot or cold? Are there any forests or deserts? Then you can design your living thing to be suited to this habitat. What adaptations will it have? Once you have designed your living thing, write a paragraph to explain its habitat and why you chose the adaptations. Finally, research a famous scientist from either the past or present.



A healthy body and mind help you learn, grow and be your best!
Explore the many **FREE** activities and services available in Tower Hamlets for you.

GET ACTIVE – LEARN & PLAY!

- ✓ Try a new sport together.
- ✓ Go for a bike ride, scooter or skate.
- ✓ Have a family football match.
- ✓ Go for a walk in a park.

FREE SESSIONS & CLUBS FOR AGES 9–11 (Y5–Y6)

- Tower Hamlets Youth Sport**
Free sports, games and holiday activities.
towerhamlets.gov.uk/youth-sport
- Mile End Park Leisure Centre**
Free junior multi-sport sessions all year.
mileendpark.com/activities
- Poplar HARCA – Active Communities**
Free sports and activity sessions across Poplar and Bow.
poplarharca.co.uk/active-communities

STAY CLEAN, STAY HEALTHY

- ✓ Wash your hands with soap for 20 seconds.
- ✓ Take turns to be the handwashing champion!
- ✓ Keep your space tidy – together.



LOOK AFTER YOUR MIND

- Talk and listen to each other.
- Write down 3 things you are grateful for each day.
- Dance or listen to music together.
- Do a puzzle or play a board game.
- Take deep breaths together and relax.

TEAMWORK & LIFE SKILLS

- Work together to build something (e.g. a den or tower).
- Plan a day out or activity as a team.
- ✓ Take turns, share ideas and support each other.



COOK, EAT, GROW

- Cook a healthy meal or snack together.
- Eat lots of colourful fruits and vegetables.
- Grow herbs or vegetables at home or in a pot.

Cooking together builds skills and brings people closer!

GET OUTDOORS – EXPLORE TOWER HAMLETS

- Visit a park and have a picnic.
- Try a new outdoor activity together.
- Take photos on a nature walk.



BE ACTIVE. BE STRONG. BE PROUD. BE TOWER HAMLETS!



For more information on activities and services for young people in Tower Hamlets:

towerhamlets.gov.uk | youngtowerhamlets.org.uk

**FREE
FOR YOUNG
PEOPLE!**

TOWER HAMLETS

SUMMER HOMEWORK

Year 5 to Year 6

Links to PE and PSHE websites and activities

- Young Tower Hamlets
<https://www.youngtowerhamlets.org.uk/>
- Tower Hamlets Youth Sport
https://www.towerhamlets.gov.uk/lgnl/leisure_and_culture/sport_and_physical_activity/sport_and_physical_activity.aspx
- Mile End Park
https://www.towerhamlets.gov.uk/lgnl/leisure_and_culture/parks_and_open_spaces/mile_end_park/mile_end_park.aspx
<https://be-well.org.uk/what-we-offer/kids-activities/#kids-activities>
- Poplar Harca Activities https://www.poplarharca.co.uk/get-involved/activities/?_gl=1*_dibkl3*_up*MQ..*_ga*MTc5NDY0OTAyMS4xNzc4MjQ3Mzc1*_ga_H0L3461W98*czE3NzgyNDczNzQkbzEkZzEkdDE3NzgyNDc0MjkkajUkbDAkaDA.

Year 5 (Going into Year 6)

Summer Homework
Year 5 to Year 6

Literacy learning in the summer

Are you looking forward to the summer holidays? We are too! It's a wonderful time to have lots of fun and learn in different ways. Here are some tips and ideas for how to keep your learning going over the summer while you're away from school.



1. Go to the Ideas Store

There are lots of events taking place you can get involved in, including the summer reading challenge.

Find out more at: www.ideastore.co.uk/whats-on

2. Book Review

Write book reviews of the books you read during the holiday. Remember to include:

The author and illustrator.

Is the book fiction or non-fiction?

What is the book about?

Who would enjoy this book?

Did you enjoy the book? Tell me why or why not?

Draw a picture of the front cover.

3. Read some poems

This will help improve your language skills and help you to explore different poets' imaginations.

Why not bring your favourite poem to school in September to share with your class?

4. Write a recount

Write a recount of a visit that you have been on during this holiday.

Choose one of the activities above then write down what happened.

Include the following information in your recount:

1. Give your recount a title.

2. All the Ws – What did you do? Where did you go? When did you go? Who did you go with? Why did you go?
3. Describe your journey to the place. (Before we...)
4. Describe what you did while you were at the place. (First, Then, Next, After that – only interesting.)
5. Describe your favourite part of the visit. (Best bit.)



Also remember to:

- Check that you have used the Super 6.
- Use adjectives and adverbs to describe what you saw and what happened.
- Use adverbs of time (first, next, after etc.) to link your ideas together and show the order those things happened in.
- Write in the past tense.
- Write in the first person.

5. **Write a story**

Escape into the world of your imagination and write a story that your friends can read when you return to school. Remember to include: Who? Where? Where next? Why? What goes wrong? Who helps? Where last?

Don't forget to use 'show not tell' to describe the feelings of your characters. Choose any genre you want (adventure, suspense, fantasy...).



My Summer Diary

[illegible]



YEAR 6 READING LIST

Books to Enjoy and Inspire

These books are perfect for Year 6 readers.
They will challenge your thinking, expand your vocabulary and inspire great writing.

Reading today,
writing tomorrow!

15 RECOMMENDED BOOKS

1 Wonder



R. J. Palacio

A powerful story about kindness, difference and standing up for what is right.

Supports writing:
Character description,
diaries, persuasive writing,
letters, recounts

2 Skellig



David Almond

An unforgettable story about friendship, hope and the struggle between good and evil.

Supports writing:
Atmosphere, character
development, narratives,
descriptive writing

3 Street Child



Berlie Doherty

A moving Victorian tale of poverty, courage and resilience.

Supports writing:
Historical stories, setting
description, newspapers,
diaries, letters

4 The Boy in the Striped Pyjamas

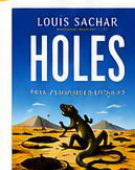


John Boyne

A thought-provoking story of friendship and the horrors of war.

Supports writing:
Persuasive writing, balanced
arguments, letters, diary
entries, discussion texts

5 Holes



Louis Sachar

A clever, exciting and suspenseful story with hidden depths.

Supports writing:
Adventure stories, dialogue,
planning, suspense
writing, flashbacks

6 The Wolf Wilder



Katherine Rundell

A magical adventure about friendship, nature and fighting for what matters.

Supports writing:
Setting description,
persuasive letters,
adventure narratives

7 Tom's Midnight Garden



Philippa Pearce

A mysterious and beautifully written story about time, family and imagination.

Supports writing:
Atmosphere, diary entries,
letters, flashback, character
description

8 The Arrival

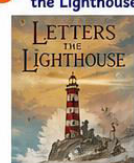


Shaun Tan

A stunning wordless graphic novel about migration and belonging.

Supports writing:
Storyboarding, visual
literacy, descriptive writing,
emotive narratives

9 Letters from the Lighthouse



Emma Carroll

A gripping wartime story of secrets, courage and hope.

Supports writing:
Historical stories, letters,
diaries, setting description,
recounts

10 Private Peaceful



Michael Morpurgo

A moving First World War story about friendship, courage and loss.

Supports writing:
War poetry, diary entries,
letters, balanced arguments,
recounts

11 Cogheart



Peter Bunzl

A thrilling steampunk adventure full of mystery, invention and intrigue.

Supports writing:
Adventure stories, explanation
texts, dialogue, suspense
writing

12 The Girl of Ink and Stars



Kiran Millwood Hargrave

A beautifully written story about courage, maps and finding your place.

Supports writing:
Descriptive writing, letters,
narratives, setting
description

13 When the Sky Falls

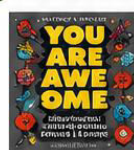


Phil Earle

A powerful story about war, friendship and standing against injustice.

Supports writing:
War narratives, persuasive
writing, speeches, diary
entries

14 You Are Awesome



Matthew Syed

An inspiring guide to building confidence, resilience and a positive mindset.

Supports writing:
Persuasive writing, speeches,
advice texts, reflection
writing

15 The Hobbit



J. R. R. Tolkien

A classic adventure that takes you on an epic journey.

Supports writing:
Adventure stories, character
description, letters, descriptive
passages



A MESSAGE FOR PARENTS

- Reading every day, even for a few minutes, makes a huge difference.
- Talk about the books – ask questions, share ideas and make reading a special time together.
- Let your child choose books they enjoy – it builds confidence and motivation.
- These books help build a love of reading, develop critical thinking and give children the skills they need to become confident readers and writers.



Builds vocabulary



Improves writing



Sparks imagination



Improves understanding



Builds confidence

TYPES OF WRITING THESE BOOKS SUPPORT

- Adventure stories
- Character description
- Setting description
- Diaries and journal entries
- Letters and emails
- Newspaper reports
- Instructions and how to guides
- Poetry
- Persuasive writing
- Balanced arguments
- Myths and legends
- Speeches and debates
- Scripts and plays
- Discussion texts



GREAT READERS BECOME GREAT WRITERS!