

Home Learning Pack

Year 5
Week Beginning 07.12.20



Home Learning Links

Oak National Academy

Oak National Academy is an online classroom and resource hub. It provides high-quality video lessons and resources to support teachers, parents and pupils. www.thenational.academy

BBC Bitesize

With BBC Bitesize it is easy to keep learning at home. You can access regular daily lessons in English, maths and other core subjects.

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

World Book Online

World Book online have just made their fabulous collection of over 3,000 e-books and audiobooks available for free for children to access at home. They have books suitable for all ages. Click on the following link to access them.

https://worldbook.kitaboo.com/reader/worldbook/index.html?usertoken=Mjk5MzQ6MTpJUjA5MjAxNjoyOmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDExMzA2Mjp1cw%3D%3D

Read Works.org

Read Works offers access to 3000+ comprehension for all age groups. Just sign up for a free account to access fantastic texts.

https://www.readworks.org/

Tutortastic

An online platform with tutorials and videos for home learning. https://www.tutortastic.co.uk/blog/homelearning

Education Quizzes

A series of short quizzes for children to complete related to the National Curriculum subjects. Just select KS1 for Reception, Year 1 & Year 2 and select KS2 for Years 3-6.

https://www.educationquizzes.com/ks1/

Top Marks

A range of activities here but especially good interactive activities for maths. https://www.topmarks.co.uk/

Classroom Secrets

Classroom Secrets Kids is offering free access to everyone until the end of April 2020. The platform is aimed at primary aged children and covers subjects such as maths, reading, grammar and spelling. The platform is really child-friendly so that they're able to access it on their own. There are a load of games and interactive activities from phonics to SATs https://kids.classroomsecrets.co.uk/

National Geographic

National Geographic is a great platform for learning and it's totally free. There are online games, resources and competitions, too.

https://www.natgeokids.com/uk/teacher-category/primary-resources/

Reading Eggspress

Reading Eggspress has lots of reading activities including comprehension and retrieval questions to have a go at. Your child's Username and Password should be written in their Homework Book. https://readingeggspress.co.uk/?ga=2.107706762.961348329.1601363904-660844018.1598947512

Top Marks – Division

We have been learning about division this week, mostly looking in-depth at partitioning and we will transition into using the short method for division. Here are some great maths games to play on Laptops or iPads.

https://www.topmarks.co.uk/Search.aspx?q=division

Times Tables Rockstars

This is a great times tables game, practice all of the tables up to 12 x 12. Log- in should be in Homework book.

https://ttrockstars.com/



Next Week at Hill West

Key Question: Why did the Greeks write myths?

Key Text for Linked Learning: Usborne Book of Greek Myths: 12 Labours of Hercules

Linked Learning: English/History

In English, children will read the 12 Labours of Hercules and consider the similarities and differences between this and Perseus and Medusa, using a story mountain to plot out events (considering the opening (setting the scene), build up/problem, climax, resolution, ending, moral). They will them plan a 13th Labour for Hercules, using a story mountain and will consider how dialogue can be used to enhance the action within their narrative. They will consider the vocabulary and structures that are typical of formal and informal speech, and will include vocabulary that is appropriate for the genre, in both the narrative and any speech included. In History, children will learn about the Hellenistic period – through studying pottery from the period and its decoration – considering links with Ancient Greek events, people and changes – and why there might be different historical interpretations of these. In Art, children will use pencil to sketch examples of pottery from the Classical Ancient Greek period, and will contrast these with the two periods already studied (The Dark Ages and the Archaic Period). They will ensure they draw pots with an appropriate shape for the period, making notes to record reasons why they were shaped that way. They will also decorate their pots with decorations appropriate to the time, noting why this was the case on their drawing. They may also note any additional information about the pottery of a given time period, or learnt about the people from the pottery, if it is of interest to them.

Maths: This week, children will use their knowledge of addition to solve problems which are presented in various forms. Children will build upon their knowledge from Year 4 to enable them to add numbers with 6 digits together. They will look at difficult 2-step problems which require addition skills in order to further their learning. Children will also identify information from statistical data to be used in their number work to enhance their statistical understanding. Children will also look back over some of the fractions work we have taught over the previous 2 weeks to cement and secure all learning.

Science: Children will be exploring gravity further by using Newton Meters to measure the weight of objects around the classroom, they will compare results and display these in a table. Children will use scientific enquiry to predict how each object will be affected by gravity and predict the weight of an object in Newton Meters.

Humanities (History and Geography): See above.

Art: Children will use pencil to sketch examples of pottery from the two Ancient Greek periods studied so far (The Dark Ages and the Archaic Period). They will ensure they draw pots with an appropriate shape for the period, making notes to record reasons why they were shaped that way. They will also decorate their pots with geometric decorations appropriate to the time, noting why this was the case on their drawing. They may also note any additional information about the pottery of a given time period, or learnt about the people from the pottery, if it is of interest to them.

Design Technology: Children will create Christmas cards and Calendars from reusable and natural materials.

PDW/R.E: Children will make choices about how to develop a healthy physical, emotional and mental lifestyle and identify areas which may impact negatively upon them. They will learn about the link between mental and physical health and how the two impact upon each other. We will discuss how lockdown can affect out physical and mental well-being.

P.E: Children will continue to refine the accuracy of their throwing skills by trying to hit a moving target and will begin to work on catching skills (as this can get an opponent 'out'). They continue to learn the rules of dodgeball – understanding where the boundaries of the court are, what happens when the ball goes out of court and how an opponent can defend themselves against a score (blocking with another ball, catching the ball, jumping over the ball or dodging away from the oncoming ball).

MFL: Children will begin to introduce themselves in French - recapping vocabulary from Year 3/4 – *Bonjour! Je m'appelle... J'habite à Four Oaks*

Maths - To identify and solve 2-step word problems (Monday)

Word Problems

Two classes collected marbles. One class had 33672 <u>marbles</u>, the second class had 36820.

- a) How many marbles did both classes have?
- b) Which class had the most marbles and by how many?

How many steps will it take to solve this problem? What is this problem asking us to do?

Word Problems

Two classes collected marbles. <u>One class had 33672 marbles</u>, the <u>second class had 36820</u>.

- a) How many marbles did both classes have?
- b) Which class had the most marbles and by how many?

Class 1 + Class 2 Class 2

33672+36820= 36820-33672=

Have a go at some of these:

- 1. In the library, there are 36054 science books on the top shelf, and 2425 science books on the bottom shelf. How many science books are there altogether?
- 3. Two classes collected marbles. One class had 33672 marbles, the second class had 36820.
- a) How many marbles did both classes have?
- b) Which class had the most marbles equipment are there? and by how many?
- 5. There were 39512 books in a library. 1500 each book out a book. How many books were left in the library?
- 7. 18362 West Ham fans and 32412 Chelsea fans attended a match. a) How many fans watched the
- match?
- b) How many more Chelsea fans were than September? there?
- 9. Ed Sheeran played to a crowd of 120362 in London on Friday, 236215 in Paris on Saturday and 192125 in New York on sold 345320 albums. Did she sell Sunday. Over the **weekend**, how many fans saw Ed Sheeran play?

- 2. There are 11485 picture books in the library. On Monday 2333 were taken out and on Tuesday 3212 are taken out. How many picture books are left?
- 4. There were 9852 pieces of sports equipment. Sadly, 2329 pieces were ruined in a flood. The PTA bought 3650 more pieces. How many pieces of sports
- 6. In a lorry, there were 48512 pieces of fruit. 21235 were bananas and 13621 were oranges. How many apples were there in the lorry?
- 8. A gallery had 105325 visitors in September. In June they had 125630 visitors. How many more people visited the gallery in June
- 10. Adele sold 120362 albums on Saturday. She sold 236452 on Sunday. During the week she more albums during the week or at the weekend?

<u>Maths – To use charts and graphs to solve problems.</u> <u>Tuesday</u>

Statistics Tables

The buses on this timetable all take the same time to travel the route. Complete the table.

Mill Road	0726		0842
High St	0729	0803	
Southey Green		0816	0858
Pitsmoor Road	0759	0833	
Snig Hill	0812		0928
Hunters Bar		0904	0946
Fulwood	0845	0919	

Try this:

Statistics Tables

Here is the timetable for the Peak Rail Steam Railway in Derbyshire.

Rowsley South (Depart)	1100	1214	1328	1442
Darley Dale (Arrive)	1105	1219	1333	1447
Darley Dale (Depart)	1107	1221	1335	1449
Matlock (Arrive)	1122	1236	1350	1504
Matlock (Depart)	1132	1246	1400	1514
Darley Dale (Arrive)	1147	1301	1415	1529
Darley Dale (Depart)	1149	1303	1417	1531
Rowsley South (Arrive)	1154	1308	1422	1536

Excluding stops, how long is the journey from Rowsley to Matlock?

Explain how you know if each journey takes the same time?

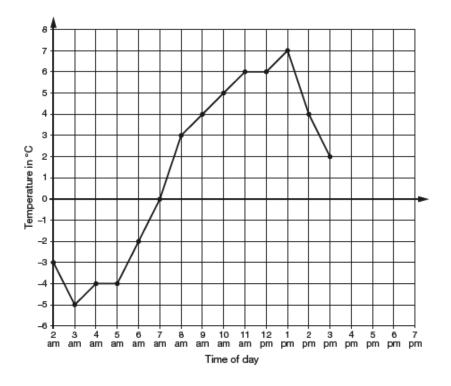
How many trains are needed to run the service?

How long in total is the train due to be waiting in each station between leaving Rowsley at 1100 and returning at 1536?

Explain how you can check the answers using the total time the train is travelling.

<u>Maths - To investigate word problems using statistics</u> <u>Wednesday</u>

This graph shows the temperature in $^{\circ}\text{C}$ from 2 am to 3 pm on a cold day.



How many degrees warmer was it at 3 pm than at 3 am?



At 6 pm the temperature was 4 degrees lower than at 3 pm.

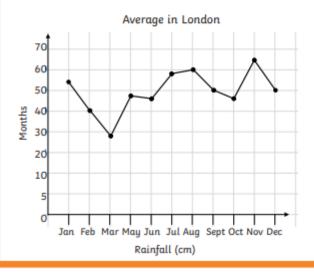
What was the temperature at 6 pm?



Try these:

Maths Mastery - Statistics - Line Graphs

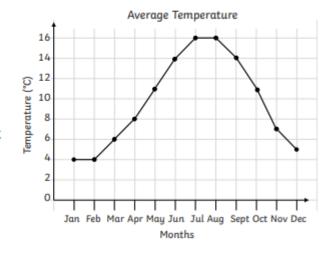
1. Explain the mistakes in this line graph showing average rainfall in London, which is drawn from the information in the table.



Month	Rainfall (mm)
January	54
February	40
March	28
April	38
May	48
June	46
July	58
August	60
September	50
October	57
November	65
December	50

Maths Mastery - Statistics - Line Graphs

- 2. Explain why each of the following statements are true or false.
- The lowest temperature is 5°C
- The difference between the highest and lowest temperature is 12°C.
- The temperature rose 11°C from March to May.
- The largest fall in temperature was from October to November.



<u>Maths - To investigate 2 step word problems</u> Thursday

Word Problems

Alice is trying to complete a sticker book. It needs 3,500 stickers overall. She has 1,340 in the book and a further 1,872 ready to stick in. How many more stickers will she need?

What is Alice doing in this problem?

Alice is trying to complete a sticker book. It needs 3,500 stickers overall.

She has 1,340 in the book and a further 1,872 ready to stick in. How many stickers does she

She has 3,212 stickers in total. How many more does she need to fill her book?

Try these:

- 1. Alice is trying to complete a sticker book. It needs 3,500 stickers overall. She has 1,340 in the book and a further 1,872 ready to stick in. How many more stickers will she need?
- 2. A supermarket has 12,840 loaves of bread at the start of the day. During the day, 8,570 loaves are sold and a further 20,320 loaves are delivered. How many loaves of bread are there at the end of the day?
- 3. In a garden centre, rose seeds cost £1.38, lily seeds cost £1.15 and daffodil seeds cost 85p. Jan buys a packet of rose seeds and a packet of daffodil seeds. How much change does she get from a £5 note?
- 4. Barry has 50 litres of fuel in his car and his petrol tank is full. On a journey to Wales, he uses 30 litres of fuel. On a journey to the shop, he used 1,250ml of fuel. How much fuel will he have to put back in to fill the tank?
- 5. On a school trip 1,279 people visit a museum. There are 1,020 children and 45 teachers. How many parents are there?

<u>Maths - Flashback Friday - Fractions</u> <u>Friday</u>

Fractions

Simplify this fraction:

$$\frac{8}{16} = -$$

1.
$$\frac{8}{16} = -$$

2.
$$\frac{7}{21} = --$$

3.
$$\frac{9}{15} = -$$

4.
$$\frac{2}{10} = -$$

5.
$$\frac{3}{12} = -$$

6.
$$\frac{5}{20} = -$$

7.
$$\frac{8}{20} = -$$

8.
$$\frac{4}{6} = -$$

English - To write a set of instructions to explain how to make Tzatiki. Monday

What are the key features of an instructional text (6 to find)?

- A title which explains what you are going to create.
- Information clearly laid out in paragraphs.
- Sub-headings to break-up information into sections.
- Bullet point or step-by-step instructions.
- Imperative Verbs and time adverbials.
- Pictures or diagrams to demonstrate how to do something correctly.

Main Task: On one side of A4, create a set of instructions about how to make <u>Tzatziki</u>.

Remember to include the following:

- A title which explains what you are going to create.
- Information clearly laid out in paragraphs.
- Sub-headings to break-up information into sections.
- Bullet point or step-by-step instructions.
- Imperative Verbs and time adverbials.
- Pictures or diagrams to demonstrate how to do something correctly.

Challenge: Can you include a diagram?

English - To edit a set of instructions to include modal verbs and ordering conjunctions. Tuesday

Main Task: Editing your Instructions

1

Step 1:Check your capital letters and full stops.

2

Step 2: Are your instructions clear and easy to follow?

3

Step 3: Have you included high-level conjunctions and adverbs?

4

Step 4: Now check your spellings, use a dictionary to check tricky words

Challenge: Have you included accurate sub-headings?

Reading Skills



Main Task: What did the Author mean?

- 1. What did the author mean by 'they had become too much like the gods for their own comfort'?
- 2. What does the author mean when they say: 'She gave her curiosity'?
- 3. Who is/was Hope in this story? Why is Hope so important in our lives?

<u>Challenge:</u> Why does the author include the paragraph which starts 'Today, when someone speaks of Pandora's box....' at the end?

English - To identify unfamiliar language and deconstruct a key word Wednesday

Read the test: The Augean Stables

Main Task: matching the correct definitions

Cradle	A female priest
Gurgling	A baby's cot
Lute	The noise of liquid moving around in your mouth.
Priestess	An instrument similar to a small guitar
Brass	To stab or break something with a sharp point
Pierce	A golden metal which is used to make instruments

Challenge: Write 3 synonyms and 2 antonyms for horrified.

Deconstructing Words

More Info: https://www.merriam-Deconstructing words webster.com/dictionary/terrorize#h1 terrorize /'tererviz/ verb gerund or present participle: terrorising create and maintain a state of extreme fear and distress in (someone); fill with terror. "he used his private army to terrorize the population" strike terror in/into fill with terror frighten scare terrify petrify intimidate persecute victimize torment tyrannize menace threaten bully browbeat put the frighteners on oppress cow make it/things hot for someone mau-mau More Info: https://www.merriamwebster.com/dictionary/terrorize#h1 Main Task: Deconstructing a word Antonyms: Prefix: Suffix: Synonyms: Etymology: Terrorise English -1825. Definition: Sentences:

English - To create a story mountain about the events of a fiction text. Thursday

Read the text: The Great Bull of Crete

Main Task: Inferring Meaning from the text.

- What did the author mean when they say 'The two were feasting merrily?'
- 2. A) What does the word merrily mean? B) What is the root word?C) Can you think of a synonym for merrily?
- 3. Why were the other centaurs 'furious'?
- 4. What does the phrase 'drove them away' mean?
- 5. How does the use of the word 'clumsily' help you to understand how Heracles was moving to complete this task?

<u>Challenge:</u> Write a Simile to describe how enormous and heavy the boar is.

English - To retrieve information from a fiction text. Friday

Read the text: The Amazon Queen's Belt

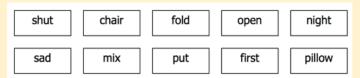
Main Task: Retrieval Questions

- 1. What animal had been terrorizing King Eurystheus' people?
- 2. How many days did it take for Heracles to find the giant Boar?
- 3. What did the mountain overlook in the <u>Stymphalian</u> Birds story?
- 4. What did Heracles do with the Lion's skin?
- 5. Where did Heracles find the boat?
- 6. How does Heracles make the Centaurs angry?

Challenge: Make 2 of your own devilish retrieval questions.

Main Task: Imperative verbs

1. Which of these are imperative verbs?



2. Add the appropriate imperative verb.

1.	right at the traffic lights.
2.	the juice into the glass.
3.	the kettle in before you use it
4.	on the television please.
5.	the window; it's very cold.

Challenge: Can you add in a fronted adverbial before each sentence?.

History - To explore different styles of Greek pottery.

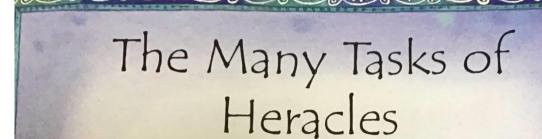
Have a look at this website about Greek pottery:

Greek Pottery

Art - sketch your own Greek pottery.

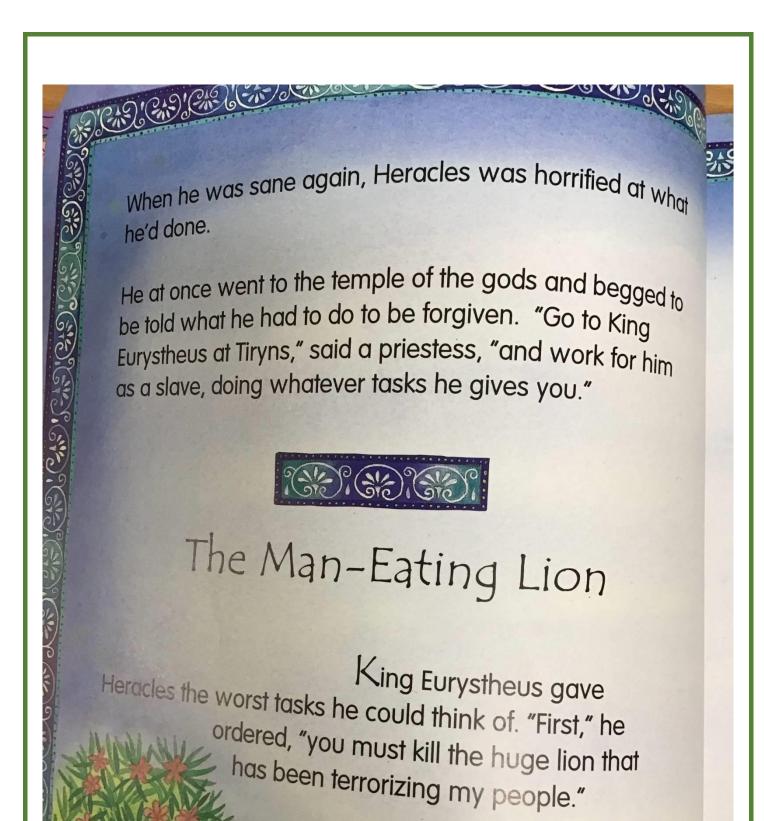
Having looked at the website, have a go at sketching your own Greek Pottery. Be sure to label your sketch with the era of Greek history it is from.

Wednesday



The great god Zeus had a son, called Heracles. The other gods and goddesses gave the boy wonderful gifts, making him immensely strong and very brave, but also kind and gentle. Hera, Zeus's wife, hated her baby step-son. One day, she sent two deadly snakes slithering into his cradle. Although he was only a few months old, Heracles strangled them both and tossed them aside, laughing and gurgling. Hera then hated him even more.

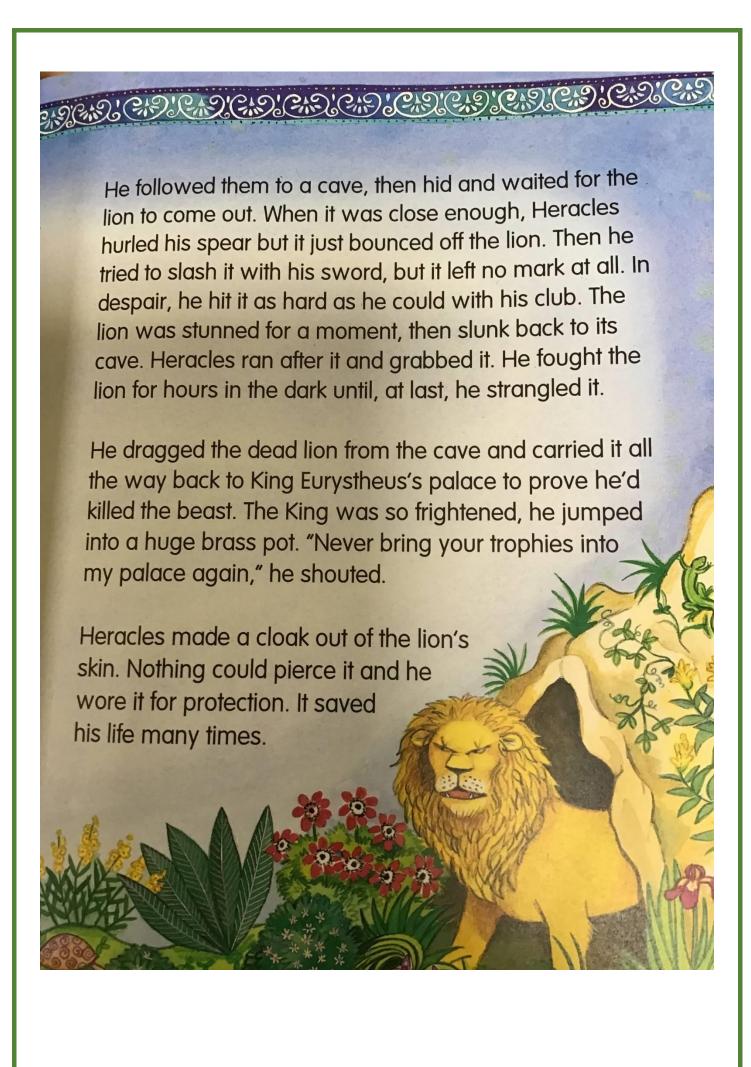
When Heracles grew up, he was taught to use a bow and arrow, wrestle, and play the lute. He married Megara, the daughter of King Creon, and had many children. He was soon famous for his brave deeds and great strength. But Hera was watching him, furious that he was so happy and successful. One day, she made him go crazy and, in a terrible rage, he killed all his children.



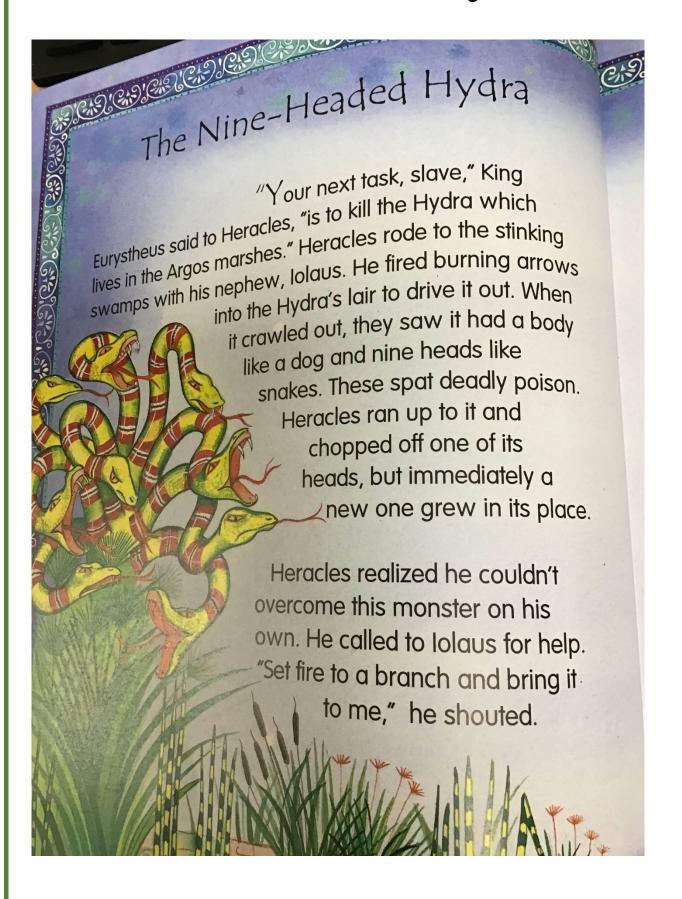
Heracles went off at once to search

for the lion. It took him weeks to

find a trail of its huge paw prints.



Thursday



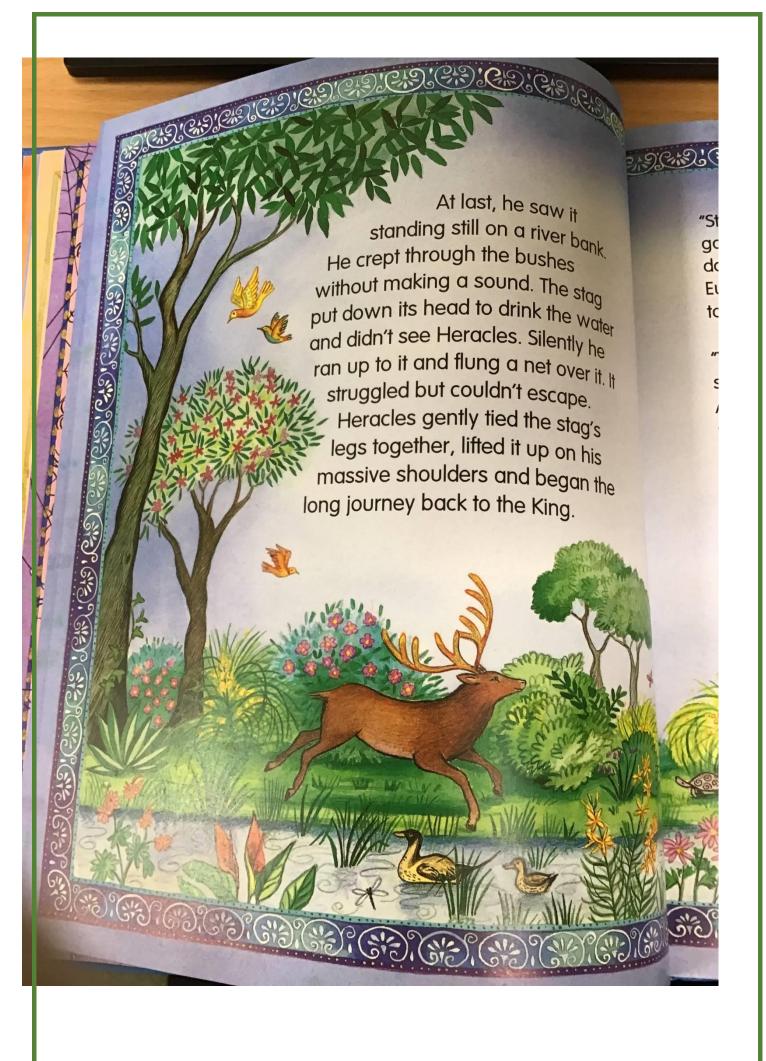
Holding his breath to avoid the poison, Heracles ran back to the Hydra. First he chopped off a head, then he burned the neck with fire from the branch so it couldn't grow again. When he had cut off all the heads, the monster was dead.

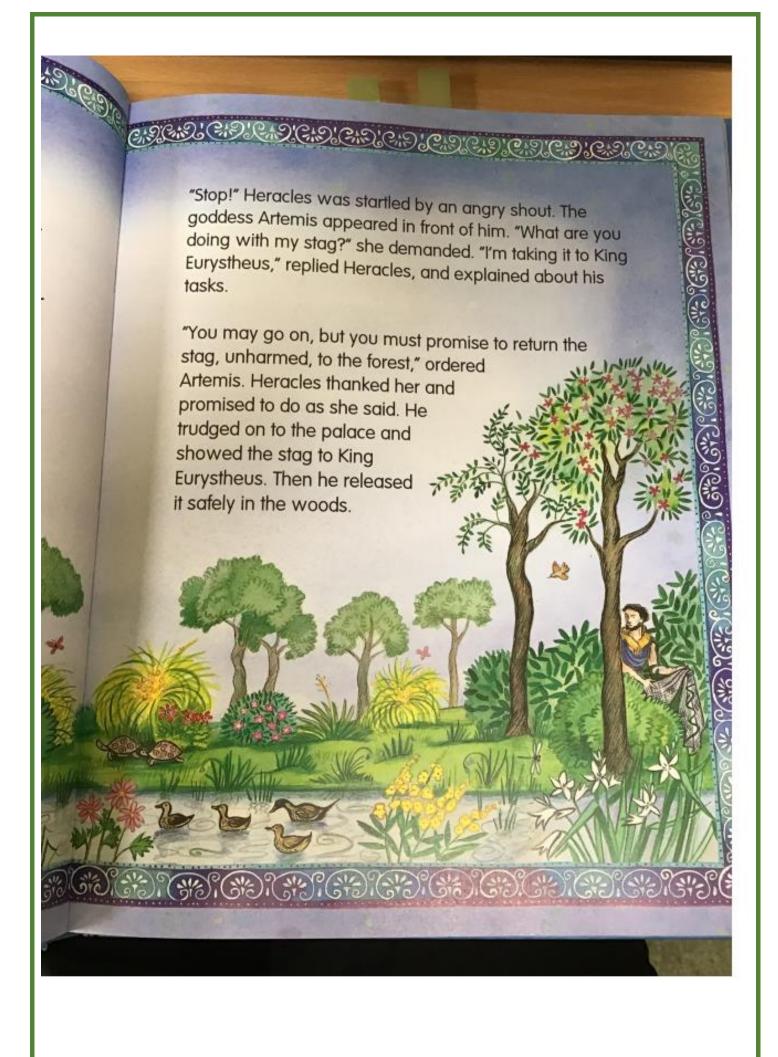
Heracles dipped the tips of his arrows in its blood, which was a deadly poison. "These may be useful one day," he said to lolaus, and they rode back to King Eurystheus for Heracles's third task.

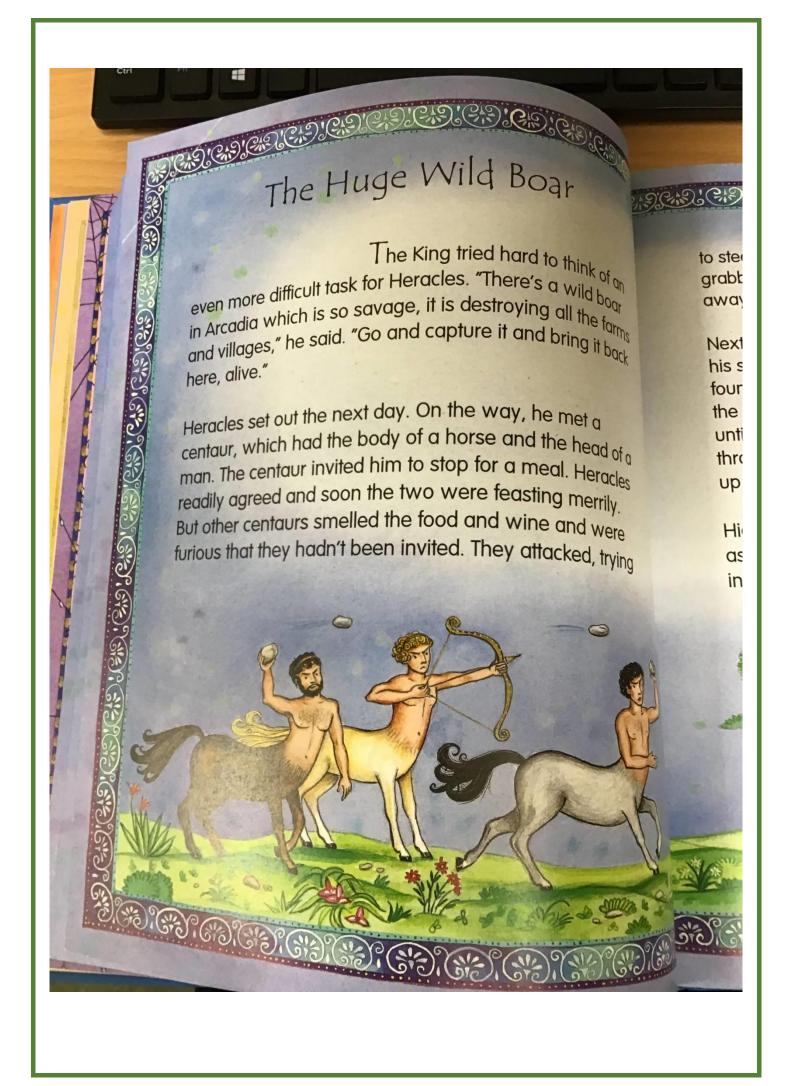


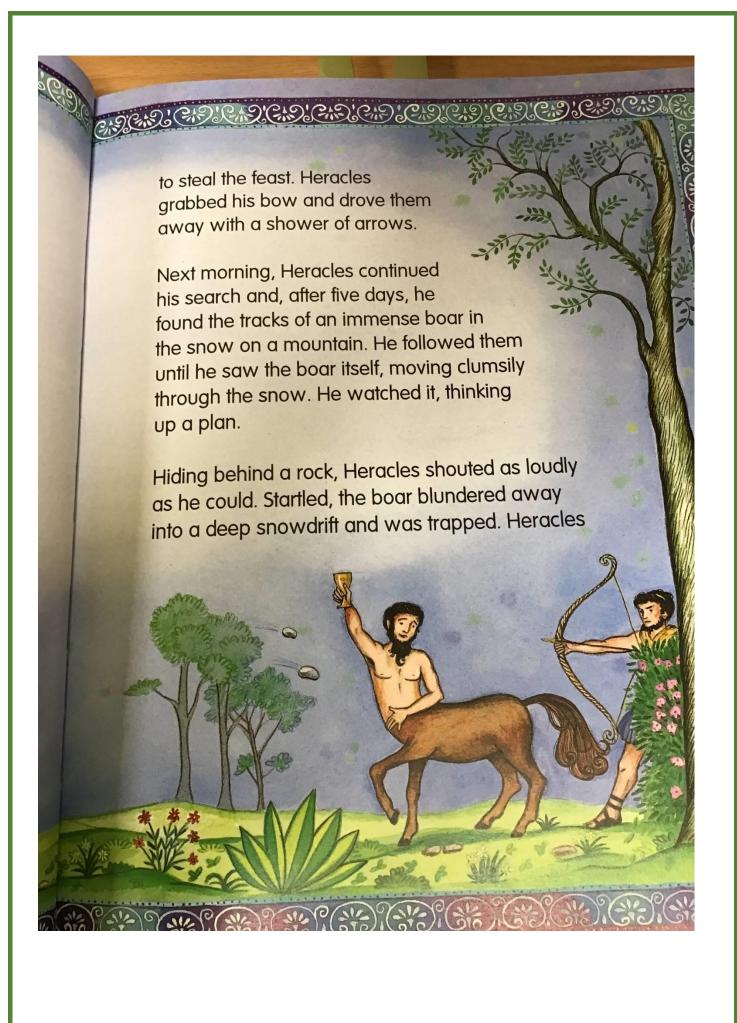
The Stag with Golden Antlers

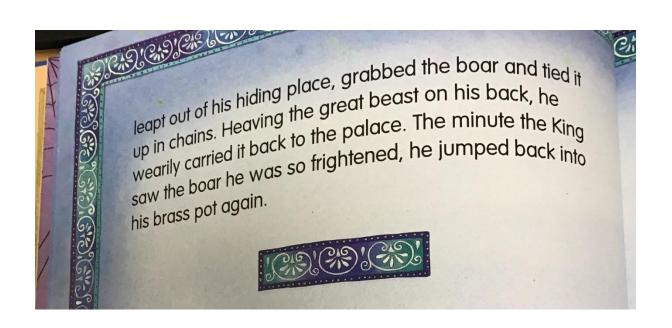
"You must bring me the stag
with golden antlers, but you must not hurt it in any way,"
commanded King Eurystheus. Heracles set out at once
and chased the stag through woods and forests for a
whole year. It was the most beautiful and fastest of all the
deer, and Heracles could never quite catch up with it.











Friday

leapt out of his hiding place, grabbed the boar and tied it up in chains. Heaving the great beast on his back, he up in chains. Heaving the palace. The minute the King wearily carried it back to the palace, he jumped back into saw the boar he was so frightened, he jumped back into his brass pot again.



The Augean Stables

When Eurystheus had overcome his fright, he summoned Heracles. He was angry that Heracles had completed the last task so quickly, and tried to think of something that was really impossible.

"Go to King Augeas and clean his stables. Do it in one day," he ordered. King Augeas laughed when Heracles told him what he had come to do. "Those stables haven"t been cleaned for years and years," he said. "But you're welcome to try. I'd like them cleaned out," he added, and laughed again.

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Very early next morning, Heracles went to the stables and looked at the heaps of stinking horse manure. He couldn't carry it away; it would take years, and he had only one day.

0

Then he had an idea. Not far away was a river. All day he worked, building a dam and digging a channel from the river to the stables. When everything was ready, he broke the dam and sent the river roaring straight to the stables. The torrent of water gushed through one end of the building and out through the other end, washing out all the dirt and carrying it away to the sea.

In one day, Heracles had cleaned the stables, leaving them shining and sweet-smelling. By the evening he had changed the river back to its proper course. King Augeas was absolutely delighted when he saw what Heracles had done, and said it was a clever trick.

When Heracles returned to the palace, King Eurystheus was not delighted. He also thought it was a trick and that Heracles had cheated; cleaning the stables like that didn't count as a task. He went away to think of something even more difficult for Heracles to do.

