

Poultou Lancelyn



Work Pack III

(04.05.20 - 22.05.20)

Year 5

Before I start, I just wanted to say how proud I am of you all. This has been such a strange time for us all and you're adapting to this new lifestyle so well. I absolutely love seeing the work that you're getting up to so please keep sending them in to helpmesmith@poultonlancelyn.wirral.sch.uk or the school Twitter. Also, if you need any help with anything, please let me know and if I can't help you, I can pass you onto someone who hopefully can! I miss you all more than I can even explain.



Stay safe and stay awesome,
Mr Smith

Contents

Maths	Metric and Imperial Measure	3
	Perimeter and Area	4
English	'Cosmic' by Frank Cottrell-Boyce	5
Spelling	Prefixes	9
Reading	The Woolly Mammoth	9
	Free Choice Reading	9
Grammar	Suffixes	10
	Direct Speech	10
Science	Evaporation	10
Computing	Coding	11
PE	Fitness	11
Civic Award	Completion	11
Calculations	Daily Calculations and Vocabulary	11
Alternative Work		11

Maths

Metric and Imperial Measure

In the previous work pack, we practised converting between different units of metric measure such as grams to kilograms and centimetres to metres. Now, we are going to look at some different units of measure which are called 'imperial' units. You may have heard of some of these units before. For example, 'miles' and 'pints' are examples of imperial length and capacity.

In order to convert between metric and imperial units, we again need to use equivalences. However (and rather luckily), we don't need to remember them all off by heart and you will be supplied with the equivalences at all times in Year 5! I've have uploaded all of the equivalences you will need to the school website.

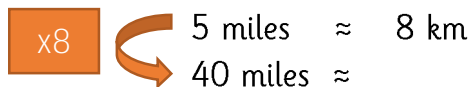
e.g. How many kilometres are equivalent to 40 miles?

First, find the appropriate equivalence that uses both units in the question.

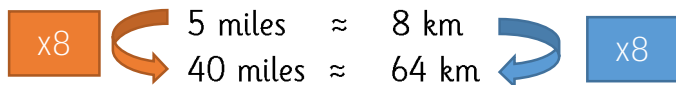
$$5 \text{ miles} \approx 8 \text{ km}$$

' \approx ' means equivalent to rather than exactly equal to

Then, look at the units you have and the equivalence and spot the link.


$$\begin{array}{l} 5 \text{ miles} \approx 8 \text{ km} \\ 40 \text{ miles} \approx \end{array}$$

Finally, do the same to the other side (just like we would when finding equivalent fractions).


$$\begin{array}{l} 5 \text{ miles} \approx 8 \text{ km} \\ 40 \text{ miles} \approx 64 \text{ km} \end{array}$$

I have uploaded various activities to practise converting between metric and imperial units of measure for you to have a go at.

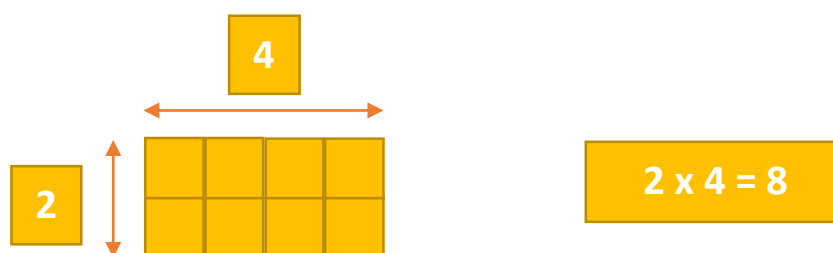
As well as these, I have also uploaded some work to do with units of time. You will already know many of the equivalences (such as 1 minute = 60 seconds). Have a go at the time investigation on the school website and use the equivalences sheet when necessary.

Perimeter and Area

Perimeter means the total length around the edge of a 2D shape. I have uploaded two walkthroughs of how to measure perimeter: one for the perimeter of squares and rectangles and one for composite shapes so make sure you check them out before having a go at the perimeter-based activities.

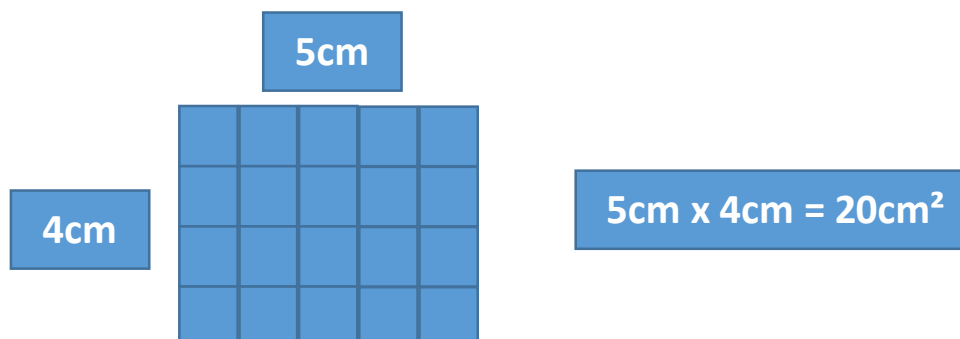
Area, on the other hand, means how much space is inside a 2D shape. To work out the area of a rectangle, multiply the length by the width.

Here is a 4 by 2 rectangle. The area is 8 as we have multiplied the length (4) by the width (2).



Can you see that the number of squares inside the shape is 8 too?

Most area questions you will come across involve units of measure.



Just as before, we multiply the length by the width. However, we also need to make sure we use the correct units. The unit of measure for the area will be the units which have been used, squared. This is because they have been multiplied by themselves (just like square numbers which we have done before).

Just like square numbers, the small '2' means squared.

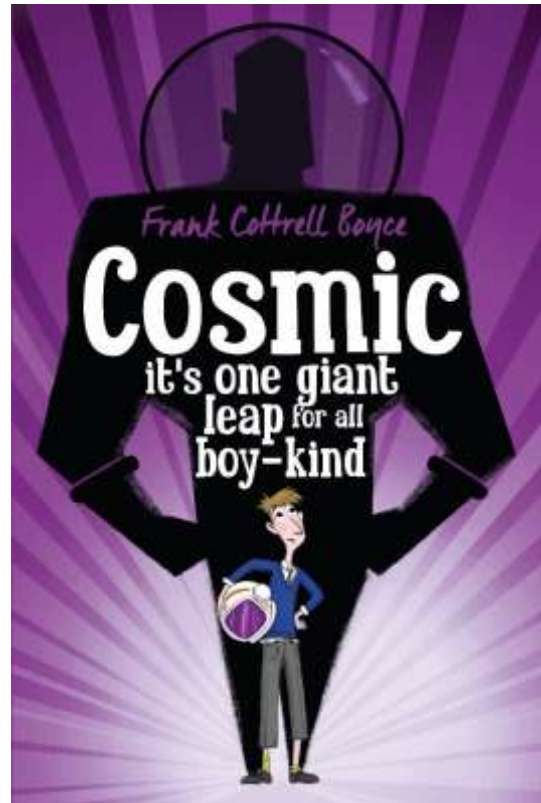
Now, have a look at the fluency questions I have uploaded. If you want a challenge, have a go at the investigation questions too.

English

'Cosmic' by Frank Cottrell-Boyce

In this work pack, we are going to work on English a little bit differently to the other work packs. I know that many of you have enjoyed the books we have been working with this year, such as 'Treason' and 'Survivors'. I have decided to focus our English work on another of my absolute favourite books, which is 'Cosmic' by Frank Cottrell-Boyce. Here is the blurb of the book:

'Liam Digby is an ordinary twelve-year-old. A very, very TALL twelve-year-old. Some people even think he's a grown-up. This is the incredible story of how he told some fibs, nearly stole a Porsche, went to a theme park and sort of by accident ended up in space.'



I have recorded myself reading the book so that you can listen along (just like we would in school) either by yourself or with your family and enjoy it. I have included in this work pack some different activities you can have a go at which are themed around the book. Feel free to follow the activities I have provided or alternatively, you do other activities based on the chapters as you listen to them. A PowerPoint with audio files of all of the chapters from the first section of the book has been emailed to your parents. I hope you enjoy it as much as I do!

Timeline of Activities

Here, I will lay out the chapters to listen to and when each activity should be completed.

Spoiler Alert!!!

Only read the activity you are up to in order to avoid spoilers for future chapters

Listen to **Chapter 1: I Am Not Exactly In The Lake District** and **Chapter 2: Completely Doomed.**

Activity 1: 'Tell Me' Grid

After listening to the first two chapters of the story, complete the 'Tell Me' grid which has been saved to the school website. What do you like about the book so far? What do you dislike about it so far?

In the 'Connections' box, what does this story make you think of? Are there any other books that it reminds you of? What about games or TV programmes?

In the 'Questions' box, what would you like to find out? What is puzzling you at the minute about the book?

Listen to **Chapter 3: My Favourite Gravity**

Activity 2: Liam Digby Spider Diagram

Now that we have learnt a little bit more about Liam Digby, write down all of your information in a spider diagram. What is his personality like? What does he look like? What relationship does he have with others? How do other people treat him? How does he feel? Remember, the more information you can get, the better!

Listen to **Chapter 4: I Nearly Shaved Myself To Death**

Activity 3: Liam Digby Character Description

Using your spider diagram to help you (as well as new information from chapter 4), write a character description of Liam. I have uploaded a planning format if you want to use that as it may help you to structure your paragraphs. Don't forget to use the grammatical features that we are looking for in Year 5 for example:

Relative clauses	Parenthesis	-ate/-ise/-ify words	Y5 spellings e.g. ough, able/ible, cious/tious, cial/tial
Fronted adverbials	Colon	Modal verbs	
Prepositional phrases	Apostrophes	Silent letters	

Make sure you proofread and edit your character description afterwards using to a dictionary to support you with spellings.

Listen to **Chapter 5: My Visible Friend** and **Chapter 6: My Planet Panda Pop**

Activity 4: Dad's Note to Liam

Liam's parents are getting tired of all of his antics so Liam's dad decided to try and get to know him better by playing World of Warcraft with him. What do you think Liam's parents will have spoken about after speaking to Liam? Jot down your thoughts about how Mum and Dad would be feeling.

Next, write a short, informal note as Dad to slip under Liam's door. Mum and Dad both just want Liam to spend more time with them and develop some more friends. What could they say to persuade Liam to open up to them? Try to use positive and persuasive language to make Liam feel good about himself and want to follow your instructions.

Listen to **Chapter 7: I Am On Hold** and **Chapter 8: Fathers Have Children**

Activity 5: Email to Florida Kirby

Liam needs someone to go with him to Infinity Park in China and he told Dr Drax that his daughter is Florida. Liam will definitely have to persuade her if she would ever even consider going with him (and there is no way she would go if she knew it was in China)! In role as Liam, write an email to Florida asking her to come with you. Remember, you cannot mention that it is in China at all! What would make Florida want to come with you? I would probably apologise for the previous incidents you have both been involved in and mention about all of the cool things you can do together at the theme park. Use the template I have uploaded to structure your email. Don't forget to create an email address for Florida. My email for her would be princessflorida2k20xo@gmail.com!

Listen to **Chapter 9: You'll Like It When You Get There**, **Chapter 10: Hello, Lucky Winners** and **Chapter 11: Competitive Dadliness**

Activity 6: Four Dads

Having arrived in China, Liam and Florida have met up with the other chosen winners. Based on what we know so far, fill out the table I have uploaded with information about each of the three extra dads. You can continue to add to the table as you listen to more of the book.

Listen to **Chapter 12: In China You'd Die** and **Chapter 13: Thrill Ride Of The Century**

Activity 7: Liam's Diary

How do you think Liam is feeling at the end of chapter 13? In role as Liam, write a diary entry that evening following the revelation at the end of chapter 13.

Remember, try to include all of the Y5 grammatical features we have been practising as well as features of a diary entry.

Diary entry,	Date	Past tense	First person
Thoughts, feelings and emotions	Rhetorical questions	Paragraphs	Prepositional phrases
Expanded noun phrases	Relative clauses	Fronted adverbials	Modal verbs
Apostrophes	Silent letters	Parenthesis	Vocabulary

I have uploaded some hints and tricks for how to structure your diary so feel free to use that to help you!

Listen to **Chapter 14: I Am The Space Daddy**, **Chapter 15: The Ice-Cream Man Of The Gobi Desert**, **Chapter 16: I Can't Work My Trousers**, **Chapter 17: The Vomit Comet**, **Chapter 18: AstroGossip** and **Chapter 19: Gravity Is Not A Trivial Monster**

Activity 8: Infinity Park Leaflet

For the final English activity this half term, I would like you to create a persuasive leaflet to advertise Infinity Park's grand opening to the public. You will need to have various different features in the leaflet including:

- An opening letter from Dr Drax, explaining why Infinity Park is so special;
- Your own design of a map of Infinity Park;
- Information about the rides;
- Information about the accommodation;
- Information about facilities including restaurants.

Have a research online for maps of theme parks to give you some ideas for your design of Infinity Park. You can make up your own rides if you like; I would try to create space themed attractions. I'm picturing 'The Space Race' which would be a rollercoaster with two carts on two separate rails that race against each other. Also, you can also include attractions included in 'Cosmic' such as 'The Vomit Comet'. You

must include the 'Possibility Building' as this is one of the main features of the park. Let your imagination run wild as you advertise your very own theme park!

After half term, I will continue reading from Chapter 20: Last Chance To Vote. Write down a prediction of what you think will happen next.

Spelling

Prefixes

As well as practising spelling patterns that we have already done (such as able/ible, cious/tious and silent letters), I would like you to practise your use of different prefixes. A prefix is a group of letters which go before a root word to change the meaning. Here are some common prefixes and their meanings:

- de- = opposite of (e.g. defrost, decontaminate, deforest)
- re- = again (e.g. replay, refresh, return)
- dis- = opposite of (e.g. disconnect, disappear, disagree)
- mis- = wrongly/not (e.g. misbehave, misinformed, mistrust)
- over- too much (e.g. overreact, overheat, overconfident)

I have uploaded a range of activities so that you can practise your use of prefixes. You could also try to use them in your writing.

Reading

The Woolly Mammoth

Have a read through of 'The Woolly Mammoth' text before having a go at the questions. If it helps you, don't forget you can highlight key information in the text as well as in the questions. Remember, read the questions carefully to make sure you are giving all of the appropriate information from the text.

Free Choice Reading

Don't forget, it is really important to keep up your reading skills every day. You could read to yourself or read aloud to someone else. I always try to read a little bit before I go to bed rather than using my devices! When you finish a book, you could create a book review to inform others of your thoughts on the book.

Grammar

Suffixes

Unlike prefixes which come at the start of words, suffixes are groups of letters which come at the end of root words to change their meaning. We are specifically looking at the suffixes –ate, -ise and –ify, which change nouns into verbs.

e.g. gravity – gravitate, magnet – magnetise, simple – simplify

I have uploaded some activities which practise general suffixes as well as these specific examples. It is really important that we start trying to include –ate, -ise and –ify words in our writing so try to apply them whenever you can.

Direct Speech

We have worked on our direct speech techniques earlier in the year. However, if you've forgotten, here's a quick reminder of the key points to always remember:

- New speaker, new line
- Inverted commas surround spoken word
- Capital letter to start all speech
- Punctuation inside inverted commas
- Comma after 'said' verb if it's before speech

Have a look at the activities I have uploaded to practise your skills.

Science

Separation

In the previous work pack, we looked at dissolving, which is a process in which a solid appears to disappear into a liquid. Have a look at this [BBC Bitesize Lesson](#) to consolidate your knowledge of dissolving. The lesson also goes on to discuss separation, which means taking the components of a mixture or solution apart. Have a go at the activities on the online lesson to further your learning.

Dissolving is what is known as a reversible change as it is possible to get the original solid back. This is done through a process called evaporation. Evaporation is when a liquid is heated to the point that it turns into a gas. If a solid has dissolved in the liquid, it will be left behind after the liquid has evaporated. Have a go at the

crystal investigation I have uploaded to the school website. Make sure you send any pictures to me or to the school Twitter!

Computing

Coding

Keep up your coding skills by completing coding at home. If you need your password and log in, then you can always email school and we will find it for you.

PE

Fitness

Throughout our PE curriculum this year, we have been learning about keeping our bodies healthy. Make sure that you are keeping active (indoors if necessary). There are lots of amazing online resources you could have a look at to support you such as Joe Wicks' workout sessions and Oti Mabuse's dance classes.

Civic Award

Completion

For anyone participating in Civic award, we have completed the service to others section (First Aid) together in school. For the local awareness section, you need to complete an independent research project about our local area. We would advise **researching the history of Birkenhead Park and comparing it to New York's Central Park**, which was inspired by our local park. This project will need to be brought into school or emailed into the school office. Make sure that you have completed the other sections so that your books can be fully completed when we return to school.

Calculations

Daily Calculations and Vocabulary

I've put together another PowerPoint which again includes daily calculations. There are five calculations each day so that you can keep practising your skills.

Additionally, each day, there are five words. I would like you to find the definitions of the words and then write them in a sentence. This will help you to develop your vocabulary further.

Alternative Work

Don't forget, you have your CGP books to keep up practice in grammar, reading and maths. There are also lots of links on the school website to other websites with lots of great resources.

Keep smiling and keep safe,
Mr Smith