# Elm Class Suggested Home Learning Tasks
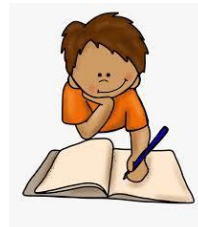## Fairgrounds Topic

| English | |
|---|---|
| Write a spooky ghost story about an unusual fairground.  | Imagine you have just invented an exciting new ride. Write a letter persuading people to try out your new ride.  |
| Research a fairground ride and create a fact file of key information. | Write instructions to inform someone on how to build a fairground ride. |
|  | Use L.S. Lowry's painting 'Fairground at Daisy Nook' to inspire you to write a fairground poem. |

Mrs. Goodman has found a brilliant website! Each day you can read the next chapter in J.K. Rowling's new book 'The Ickabog'.  So far, there are seventeen chapters ready to read!

https://www.theickabog.com/home/

J.K. Rowling is inviting you to help illustrate *The Ickabog* for her. Every day when chapters of the story are uploaded, she will be making suggestions for what you might like to draw or paint to illustrate the story as it goes along. You should let your imagination run wild!

The best bit is your parent or guardian on your behalf can enter your drawings or paintings into the official competition being run by J.K. Rowling's publishers, for a once in a lifetime chance to be featured in *The Ickabog* book, which is published in November.

| Maths |
|---|
| Follow the link for White Rose Maths daily lessons. There are video clips to watch and links to BBC Bitesize for some extra practice. We use White Rose Maths in school, so the format should look familiar.<br><br>https://whiterosemaths.com/homelearning/year-5/<br><br>If you would like me to forward the supporting worksheets please email Julie.Ames@luddenden-ce.calderdale.sch.uk |
| Work on your times tables:  https://www.topmarks.co.uk/maths-games/hit-the-button or https://www.timestables.co.uk |
| Have a go at the Funfair maths worksheets attached at the end. |
| Science |
| Rollercoasters and other fairground rides have lots of forces at work. The following BBC Bitesize clips tell you about friction, gravity and air resistance – there are lots more you can watch! What different types of forces are there? How do they affect our everyday lives? How do forces help rollercoasters work?<br><br>https://www.bbc.co.uk/bitesize/topics/zvpp34j/articles/zywcrdm<br>https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxqrdxs<br>https://www.bbc.co.uk/bitesize/topics/zf66fg8/articles/zqbm3k7<br>https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxw6gdm<br><br>In the two pictures below, the arrows represent forces acting. Write the names of the forces in the boxes. |
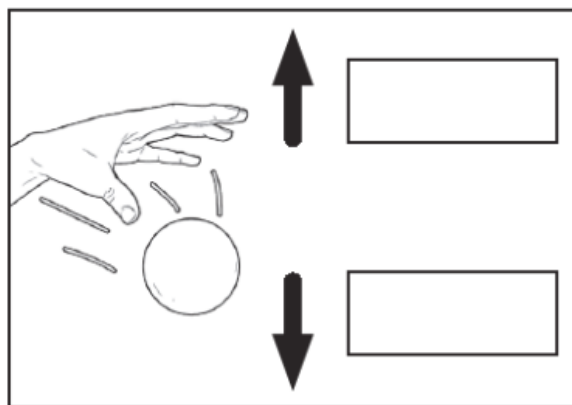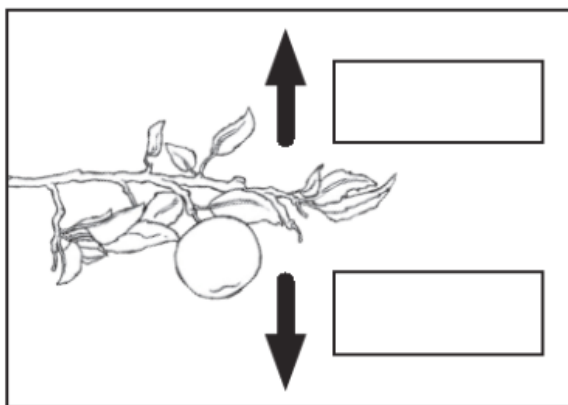
Draw your own arrows and label them to show the forces acting.
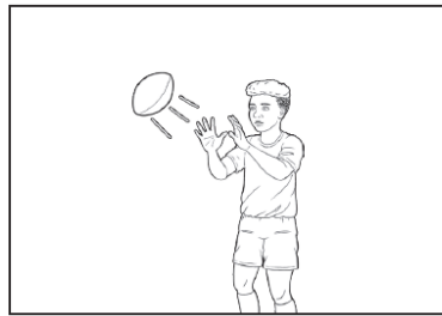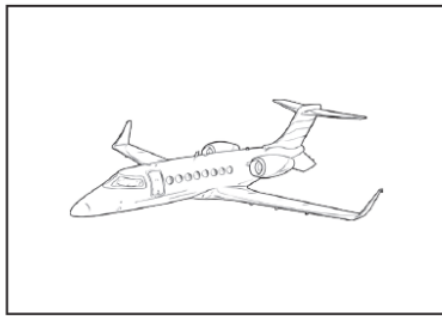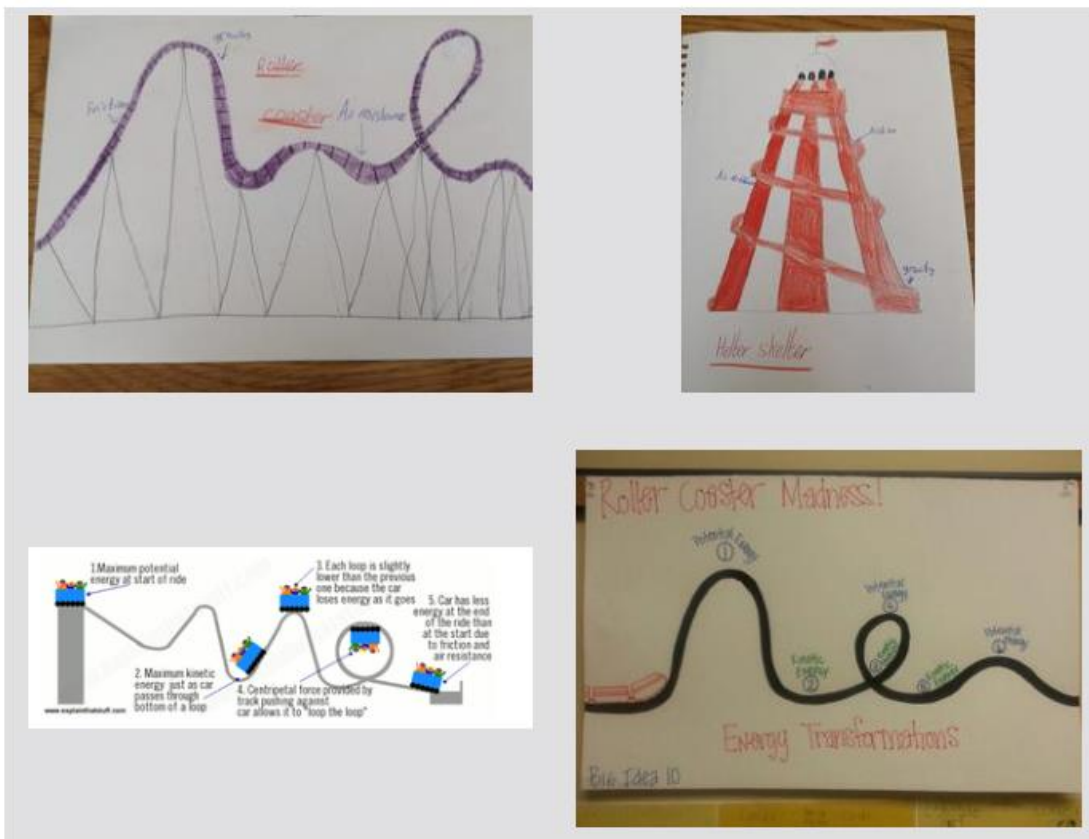


Now you know a bit more about forces, let's think about how rollercoasters work. Watch the clip, complete the activity and take the test!

https://www.bbc.co.uk/bitesize/topics/z72vrj6/articles/zm4cqp3

Look at different fairground rides and decide which force is working where.

Draw and label different forces for different rides such as the pictures below.

## Geography/ History

Research the history of fairgrounds and how they have developed over time. Who were the great pioneers in fairground development? What do we know about the first fairground rides?
Present your work in an interesting way using illustrations.
https://www.sheffield.ac.uk/nfca/researchandarticles/fairgroundrides has some useful information.

According to Thomas Hurst, the eminent Lancashire roundabout proprietor, it was Thomas Bradshaw who first presented a steam powered fairground ride in public. The boiler for the engine was constructed at Pollit's Boiler Yard in Lever Street, Bolton, while the engine was the work of Messrs Rogerson and Brimelow of Deansgate. Bradshaw who made the horses himself, patented his idea in 1863.
It is quite likely that it was this same merry-go-round which visited the Midsummer Fair in Halifax in 1863 being reported by the Halifax Courier as:
'… roundabout of huge proportions, driven by a steam engine which whirled around with such impetuosity, that the wonder is the daring riders are not shot off like cannon- ball, and driven half into the middle of next month.'



Imagine you visited the Halifax Fair in 1863 and were riding the merry-go-round for the very first time. Write a recount of your experience.

Locate the tallest/ fastest/ most famous fairground rides around the world. Can you label where they are on a world map?

## Art

Use paint and pastels (or any pens/pencils/crayons you have at home) to create fairground scenes in the styles of Lowry and Pablo Picasso.

Bitesize video clip about Lowry.
https://www.bbc.co.uk/teach/class-clips-video/art-and-design-ks2-ls-lowrys-britain-at-play/zvkskmn





Pablo Picasso –
Fairground, 1900.

## DT

Have a go at designing and constructing your own model fairground ride. Can you make your ride move?



Have a go at building a rollercoaster/ marble run using any junk materials you have at home or construction kits or both!

Can a marble get all the way round your track without falling off?

Be as inventive and creative as you can!

When you have finished your rollercoaster, write an evaluation like the one below.

# Design Technology Project Evaluation Sheet

Aim of the Project:

Materials used:

| How we made it: | What worked well; |
| | |
| | Challenges We Faced: |

| | How We Dealt with Any Challenges: | What We Would Change Next Time |
| | (refer to learning heroes/growth mindset) | |

## Computing

Use this simulator to design your own thrilling coaster. There is a link on the page for a simulator which keeps the coaster locked to the track – I had to use this one!

http://www.funderstanding.com/educators/coaster

## PSHE

# Emotional Rollercoaster

All of us will experience emotional highs and lows throughout the day, week, month, or year. It is okay to have these mood changes, but when they become significant and stop us doing the things we like, we may need some help.

Can you write on the rollercoaster carriages below when you feel happy or sad and what caused you to feel like this?
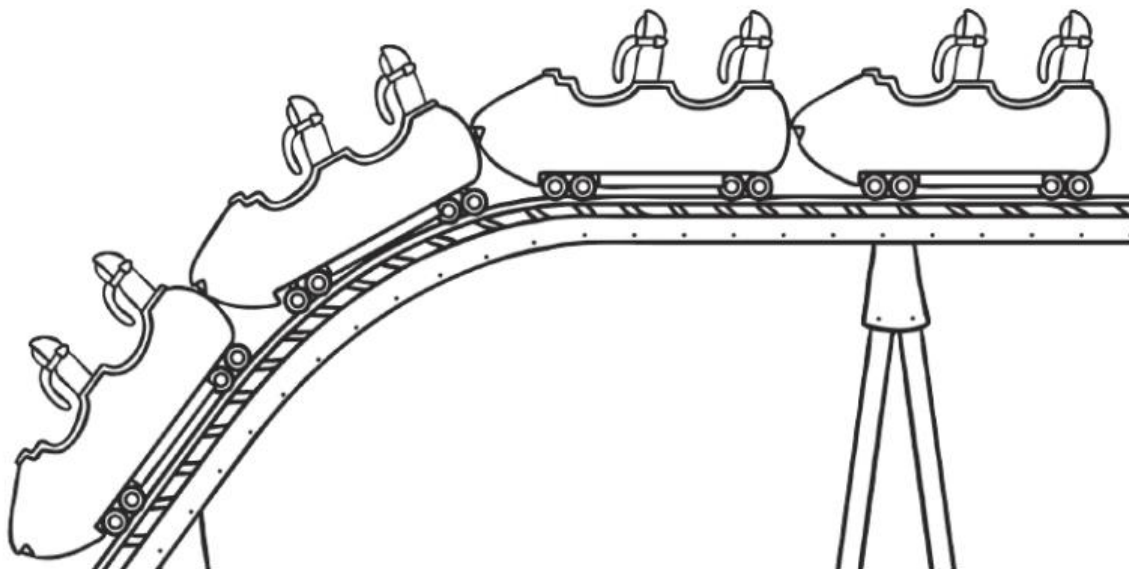
Draw your own Emotional Rollercoaster in your school book.

| RE |
|---|
| Complete the RE Today home learning activity all about The Good Samaritan. |

| Useful Websites for Home Learning and Activity Ideas |
|---|
| https://nrich.maths.org/primary<br>https://www.ictgames.com<br>The libraries are still planning on doing their Summer Reading Challenges. Here is a link<br>https://summerreadingchallenge.org.uk |

I would love to see the work you complete and be able to keep in touch. My email address is: Julie.Ames@luddenden-ce.calderdale.sch.uk

Mrs Ames

# Theme Park Fun

Here are the heights of the four tallest rollercoasters in the world:

| Name | Country | Height |
|---|---|---|
| Kingda Ka | USA | 138.99m |
| Top Thrill | USA | 128.02m |
| Superman | USA | 126.49m |
| Tower of Terror | Australia | 114.91m |

1)    What is the difference in height between:

a) Top Thrill and Kingda Ka?

_____

b) Superman and Tower of Terror?

_____

2)    Which pair of rollercoasters have the tallest heights combined:
Kingda Ka and Tower of Terror, or Top Thrill and Superman?

_____

3)    Here are the admission charges for a theme park:

a) How much would one adult and one child
ticket cost?

_____

b) How much would ten child tickets cost?

_____

c) Which would be cheaper:
three adult and two child tickets, or a family ticket and an adult ticket?

_____

| Ticket | Cost |
|---|---|
| Adult | £25 |
| Child | £18.75 |
| Family of four (two adults and two children) | £80 |

4) On the pirate ship ride at the theme park, the attendants like to make sure that the difference in mass between both sides of the ride is no more than 15kg, to make sure that the ride is not too unbalanced.

This is how the attendants have seated the people on both sides of the ride.
Is the ride safely balanced?

| Left Side | | Right Side | |
|---|---|---|---|
| Ashton | 90.5kg | Ellie | 81.5kg |
| Badara | 72.7kg | Felix | 67.8kg |
| Ciara | 43.1kg | Gabrielle | 39.9kg |
| Dave | 24kg | Hannah | 22kg |

# Test of Strength

Start at the bottom and work your way towards the top. When you have finished, check your answers (starting from the bottom) and colour each question you answered correctly. How far can you go until you answer incorrectly?

I am thinking of a number. I add 1000, then add another 1000. My answer is 91 776. What was my starting number?

A football club has a crowd capacity of 70 829 people. A rugby club has a crowd capacity, which is 1000 less than the football club. What is the crowd capacity of the rugby club?

I am taking part in a race. I have already ran 9450 metres. I have 1000 metres left to run. How long is the race?

I am thinking of a number. I subtract 1000 and my answer is 59 382. What was my starting number?

Rhian has £67 748 in his bank account. He then spends £1000. How much money does he have left remaining?

Alicia is collecting pennies for a local charity. So far, she has 13 902 pennies. She is given 1000 more pennies by her father. How many pennies does she have in total?
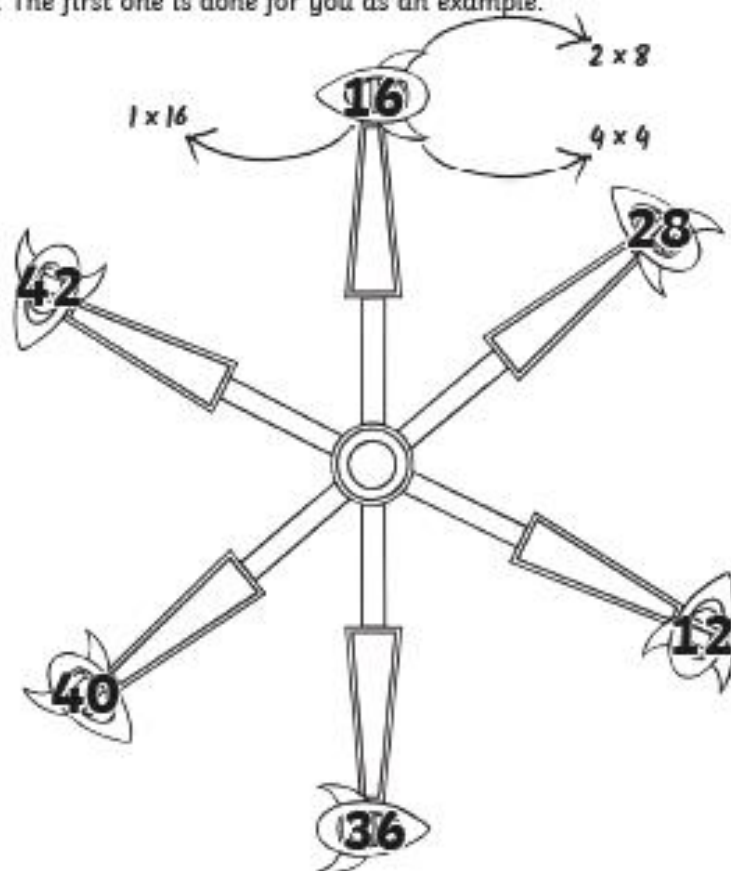
What is 1000 less than 60 382?

What is 1000 more than 53 394?

# Factor Funfair

I can find factor pairs and common factors.

1) Find all the factor pairs for the numbers on the rocket wheel and write them around the cabins. The first one is done for you as an example.

$2 \times 8$

**16**

$1 \times 16$

$4 \times 4$

**28**

**42**

**12**

**40**

**36**

2) Use your rocket wheel to find the common factors of:

a) 16 and 28: _____

b) 36 and 40: _____

c) 12 and 42: _____

d) 28 and 42: _____

e) 36 and 12: _____

# Theme Park

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f  a  r  i  l  o  g  f  l  u  m  e  t  a
m  n  o  i  t  a  p  i  c  i  t  n  a  m
h  e  l  t  e  r  s  k  e  l  t  e  r  u
i  c  l  c  e  a  s  m  s  t  e  a  l  e
d  r  e  m  f  l  c  d  e  k  r  d  e  s
n  t  r  g  o  u  d  o  d  g  e  m  s  t
u  i  c  g  y  f  q  f  a  r  g  i  u  t
o  c  o  e  q  u  n  u  q  u  i  s  o  i
r  i  a  m  u  s  e  m  e  n  t  s  r  c
g  t  s  h  i  j  k  l  m  u  o  i  a  p
r  t  t  s  c  r  e  a  m  i  o  c  a
i  r  e  s  d  o  d  j  u  m  s  n  o  n
a  q  r  u  v  q  u  e  s  a  e  c  g  l
f  u  a  t  t  r  a  c  t  i  o  n  s  f
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| | | |
|---|---|---|
| admission | carousel | log flume |
| amusements | dodgems | queuing |
| anticipation | fairground | rollercoaster |
| attractions | helter skelter | scream |