



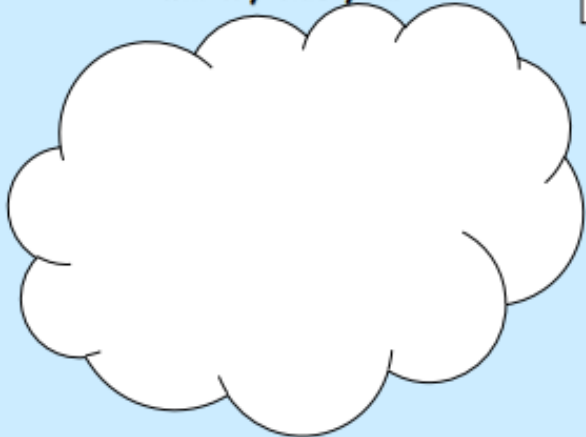
<p style="text-align: center;"><u>Science</u></p> <p>As our last science home learning task, I have set you an enquiry to answer the question 'How far can you make a rocket fly?'</p> <p>Start by making your original rocket from the instructions below, then think about what changes you can make to make your rocket fly further. What makes a difference? The size of the plastic bottle? The size of the rocket? The material of the rocket? The angle which you launch your rocket? Enjoy investigating!</p>	<p style="text-align: center;"><u>Geography</u></p> <p>Unfortunately, people have not been able to go on holiday due to the lockdown. Hopefully, holidays will be starting again soon. Where would be your dream destination? Choose anywhere in the world you would like to visit and research information about your chosen destination. Create a fact file in your book, on paper, as a powerpoint, or use one of the writing templates on purple mash to help you. <a href="https://www.purplemash.com/#tab/country_factfiles">https://www.purplemash.com/#tab/country_factfiles</a></p>	<p style="text-align: center;"><u>History</u></p> <p>Which era of history would you like to have lived through? Watch some horrible histories episodes <a href="https://www.bbc.co.uk/iplayer/episodes/b00sp018/horrible-histories">https://www.bbc.co.uk/iplayer/episodes/b00sp018/horrible-histories</a> and have a think about when you would have liked to have lived. Would it be during the Stone Age? Ancient Greeks? Romans? Celts? Victorians? Vikings? Draw yourself in your chosen era, what would you have worn? Remember to include a suitable background.</p>
<p style="text-align: center;"><u>Extended Writing</u></p> <p>Your time as a Year Four is coming to an end! Each year, we write a reflection of your time in school. Think about your favourite lessons, events, memories and what you are most proud of! I'm sad that we couldn't have spent the whole year together but we had a fun and busy time up until March! Use the help sheets below for your writing.</p>	<p style="text-align: center;"><u>MFL</u></p> <p>Let's finish the year by learning and joining in with some French songs to reinforce the vocabulary you should already know including greetings, numbers and colours. Use these links: <a href="https://www.youtube.com/watch?v=bOdAzpZIS2U">https://www.youtube.com/watch?v=bOdAzpZIS2U</a> or <a href="https://www.youtube.com/watch?v=NXkJ88ygPY0&amp;list=RDbOdAzpZIS2U&amp;index=2">https://www.youtube.com/watch?v=NXkJ88ygPY0&amp;list=RDbOdAzpZIS2U&amp;index=2</a> or <a href="https://www.youtube.com/watch?v=WZWN2Uragvc">https://www.youtube.com/watch?v=WZWN2Uragvc</a></p>	<p style="text-align: center;"><u>Reading</u></p> <p>It is really important that you keep up with regular reading, at LEAST 3 times per week. Hopefully, you have been reading lots of your own books. This task is for you to read three times per week. Why not read the text 'Top Hat Academy' I have set on Purple Mash and complete the activities that support it?</p>
<p style="text-align: center;"><u>PE</u></p> <p>Sadly, this year we can't hold our usual sports day, so we would like you to be able to get involved in our virtual sports day. Follow the link <a href="https://hillsideprimary.org.uk/virtual-sports-day/">https://hillsideprimary.org.uk/virtual-sports-day/</a> to find videos and activity sheets for a range of sporting activities that you can carry out at home, I have attached a score card to record your results. I wonder how successful you will be!</p>	<p style="text-align: center;"><u>PSHE</u></p> <p>Soon you will be ready to move into Year Five! I can't believe it! I wonder what amazing things you will be doing? Have a think about what you are looking forward to in Year 5, what memories you will take and what things you want to achieve. Complete the 2do on Purple Mash (change Year 3 to 5), or complete the sheet below.</p>	<p style="text-align: center;"><u>DI</u></p> <p>Why not learn how to cook or make something new? Maybe you could design a bread with new ingredients (a bit like our Roman bread), or design and make a fruit salad. Maybe you could be more adventurous and think of a new flavour of cake or cookies. Always work with an adult in the kitchen!</p>



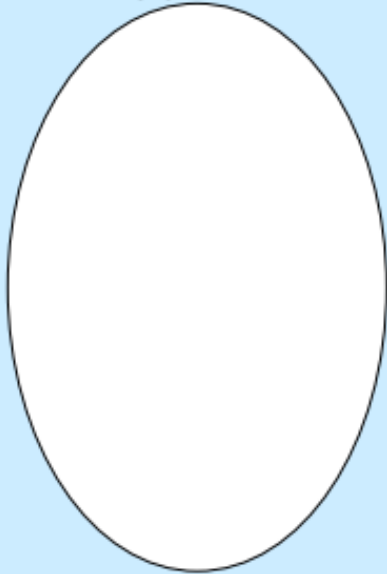
PSHE

**My Year Ahead** Name: \_\_\_\_\_

One new thing I will try this year



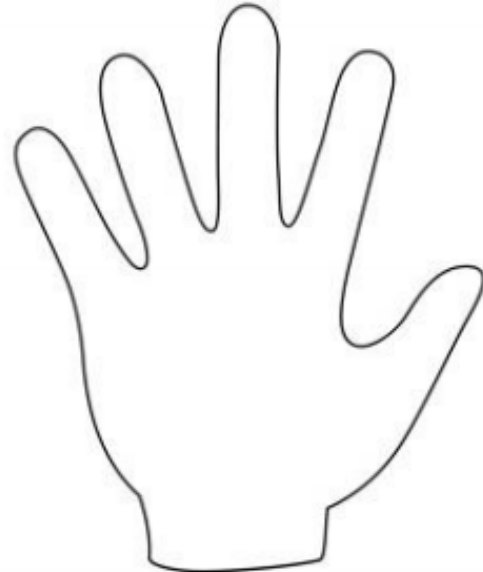
My portrait



My favourite two subjects:

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_

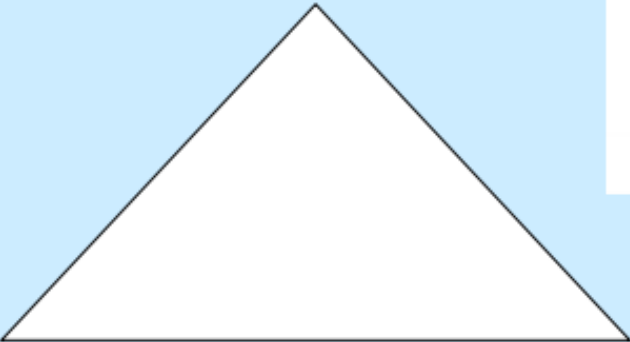
Five words to describe myself



My three targets for the year are:

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_

Outside of school I like to:





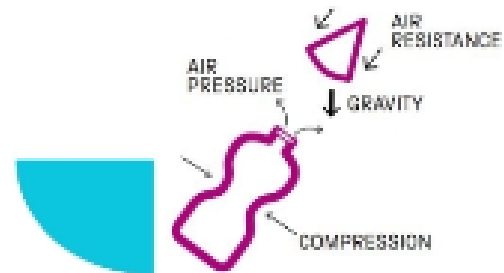
# Science: Skill Focus - Making Improvements

## Question



### How far can you make a rocket fly?

Cut a piece of paper into a a curve (blue shape):  
 Fold and tape to make a cone  
 Decorate the cone  
 Fit on top of an empty milk bottle  
 Squeeze the bottle  
 Watch the rocket fly.



<https://www.cambridge-science-museum-group.org.uk/resources/rocket-mice/>

Question

Predict

Observe

Record

Analyse

Report

### Younger Children

How far can you make the rocket go?  
 Decorate the rocket. Does adding wings or decorations change how far the rocket flies?

### Older Children

Can you change the rocket or launcher to improve the rocket flight?  
 Repeat each design 3 times to improve the reliability of your results. Create a labelled diagram of your rocket and measure the distance flown.

### Challenge

Investigate the forces used to allow a rocket to fly. You might consider:  
 Which forces must be overcome?  
 How are rockets designed to reduce air resistance?  
 How do rockets land safely?

### About this type of Science

*Using your results to try and make improvements to your results is a crucial part of science. By continually questioning why scientists got their results and what happens when it is changed a bit, some incredible technology and advancements of our understanding of the world has occurred. James Dyson, bagless vacuum inventor made 5271 vacuums before he finally made one that worked.*



### Extended Writing - WAGOLL (What a good one looks like)

Well, what an unusual year this has been, not the Year Four I expected! I remember that first day back in September, my heart pounding as I approached the school gates, not knowing what lay ahead for me and my friends. After spending the first day with Miss McCann and Miss Hayward, I realised I had nothing to worry about and my initial worries had vanished.

The Autumn term seemed to flash by like a speeding rocket, filled with excitement and eventful days. Our main topic was The Romans, which meant our wonderful trip to the Dewa centre in Chester, where we were transformed into Romans soldiers for the day. I'll never forget the looks we got as we were marching through Chester, shouting 'Sin, sin, sin, dec, sin' in our loudest voices. Back at school, we designed and made a Roman bread roll for our DT work, mine was delicious! Continuing with our Roman topic, we learned how to create beautiful mosaics, which we made into a calendar, I particularly enjoyed learning this skill. Christmas brought even more fun as we performed a scene from Christmas morning to our parents and grand parents.

Our wonderful world was the title for the spring term, where we learned about rivers and rainforests. I was really enjoying the book Running Wild by Michael Morpurgo, but unfortunately we never got to finish it! Rock star day was great fun, I felt like a real rock star wearing my favourite black jeans and wild, outrageous hairstyle. Another memorable event from this term was the Bananagram challenge, however I didn't quite make it to the final.

Although Year Four has been a very unusual year, there have still been numerous exciting times, memories and moments that I feel very proud of. I was bursting with excitement when I achieved my swimming certificate in the Autumn term and in the Spring term I was awarded the headteacher award for inspiration, which I felt immensely proud of. My favourite piece of work was when produced a piece of writing about the life of a raindrop, as I know I used some excellent descriptive language.

As the summer holidays approach, I am already thinking about Year Five and looking forward to being in Mr Soboljew's class. Hopefully, we will be learning some interesting topics and I will be able to show Mr Soboljew and Mrs Riley my fantastic talents.



Extended Writing - Planning Sheet

Introduction

Autumn Term

Spring Term

Proudest/favourite memory

Thoughts for Year Five



## Extended Writing - Help sheets

Autumn Term	Spring Term
<p><u>Topic - Incredible Journeys</u></p> <p>English - Alfie's Roman Adventure, Romans on the Rampage, Jeremy Strong, non-chronological reports, cinquain poems</p> <p>History - The Romans</p> <p>Trip - Chester, Dewa centre</p> <p>Science - sound</p> <p>DT - Roman bread</p> <p>Computing - animations</p> <p>PE - Swimming and Dan</p>	<p><u>Topic - Our Wonderful World</u></p> <p>English - Running Wild, Michael Morpurgo, descriptive writing</p> <p>Geography - rivers, rainforests, water droplet stories</p> <p>Science - changing state, water cycle</p> <p>TTRS challenge</p> <p>PE - gymnastics and Dan</p> <p>Art - rainforest animals</p>
<p><u>Extras</u></p> <p>Keystings, mystery readers, harvest assembly (world wide pizza), Cinema visit (Abominable), Be bright be seen day, Christmas panto visit, Christmas performance.</p>	<p><u>Extras</u></p> <p>TT Rockstar day, Knex workshop HS2 train line, Bananagram challenge, Paralympic afternoon, book week, Oliver Twist theatre show, Science week - biscuit dunking challenge</p>

## Extended writing - Success Criteria

Reflection Success Criteria - Gold	Self
Have I used subordinate clauses?	
Have I used a range of sentence types?	
Have I used powerful adjectives for description?	
Have I used paragraphs to organise my ideas?	
Have I used ambitious vocabulary?	
Have I used fronted adverbials to start some sentences?	
Have I used accurate punctuation including commas?	
Have I written in the past tense?	



PE



**KEY STAGE 2**  
**SCORECARD**

NAME		CLASS	
ACTIVITY #	ACTIVITY NAME	MEASUREMENT	SCORE
①	Wall Sit	Seconds (s)	
②	Speed Bounce	Number Of Jumps	
③	Target Practice	Successful Throws	
④	Book Balance	Floor Touches	
⑤	Jump To It	Centimetres (cm)	
⑥	Ball2Wall	Successful Catches	



Hillside Primary School Home Learning Grid - 7 Year Four