
PENKETH HIGH SCHOOL

INDEPENDENT PUPIL PROJECTS



A COLLECTION OF
ACTIVITIES AND
PROJECTS, COVERING A
RANGE OF CURRICULUM
AREAS, THAT PUPILS CAN
UNDERTAKE
INDEPENDENTLY DURING
THE HOLIDAYS

EASTER 2020

COMPUTING - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

TASK 1:

Create a timeline on the History of Computers up to the present day.

You can present your 'History of Computers' in a presentation or as a fact sheet on publisher.

If you do not have the relevant software. You can use this document to create your timeline.

TASK 2:

You must include the following key people in your History of Computing timeline and what contribution they made

Grace Hopper

Tim Berners-Lee

Alan Turing

Robots and the future

TASK 3

Undertake your own research and find out how the use of robots might change in the future.

Save appropriate images and place them in a table below;

Some ideas to get you started:

Robots perform most operations

Exoskeletons

Robots as soldiers or security officers

Robots remotely controlled with mind links

Exoskeletons

Robot partners and friends

Website visited & Description of how robots are used	Information that I found out (Images go in this column)

COMPUTING - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

Technology and the home of the future

Think about your home.

You are surrounded by technology, much of which was unheard of even a decade ago. Yet this technology is now such an important part of our everyday lives that most of us couldn't begin to imagine a life without it.

TASK 4

List some of the technology that you currently have in your home.

Room	Technology (image below)
Living room	
Kitchen	
Bedroom	

Entertainment, technology and the future

Task 5

Undertake your own research and find out how technology might affect the way that we entertain ourselves in the future.

Create a poster/newsletter about how we will use technology in the future some examples could be:

Holographic TV on your wrist

TV in contact lens

Holodecks

Virtual reality games

Robots to play games with

Find images or you can draw the technology.

COMPUTING - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Learn Touch Typing for free!

<https://www.typingclub.com/>

Use the website above and see how much you can improve your typing skills over two weeks.

Learn a new programming language

There are so many websites that will teach you how to use a particular language. Choose a language you want to learn – HTML, PYTHON, JAVA and give it go.

Produce a summary sheet of what you learn or what you manage to create/code.

Examples of websites to use:

Khan Academy - <https://www.khanacademy.org/computing/computer-programming>

Codecademy - <https://www.codecademy.com/>

Codewars - <https://www.codewars.com/>

Google android training (try app development) - <https://developer.android.com/>

E-Waste

Research the term E-waste.

Produce a summary of the issues surrounding E-waste including recommendations of how countries should deal with it and how you think individuals can also help.

DANCE

INDEPENDENT PUPIL PROJECTS

Year 7

Choreograph a dance that contains all of the 8 basic dance actions – elevation, rotation, extension, contraction, roll, balance, travel, and gesture.

Year 8

Research other uses of dance in musical theatre – challenge yourself to learn some of the choreography! Hairspray, Grease, West Side Story, Addams Family, The Greatest Showman, or the hardest of all – supercalifragilistic from Mary Poppins!!!

Year 9

Research a new dance style – can you identify the characteristics and create a dance in that style? A style from other Country such as Spain, Africa, Greece, or Russia. Perhaps a style that you know but don't currently study – Fosse Jazz, Ballet, Hip Hop. A Ballroom or Latin dance such as Quickstep, Charleston, Lindy Hop / Jive, Salsa. A historical dance such as the New Zealand Haka?

Year 10

Google dancebible.co.uk

Click on the 'anthology' tab at the top on the left and scroll down to see all the professional dance works we need to study. Watch as many of these as you like – there are 6 in total plus interviews with each choreographer - make sure you do watch 'SHADOWS' by Christopher Bruce. This is the first work we will be studying. Look carefully at the things we have been learning about – Physical Setting elements such as costume, lighting, stage setting, set design and props.

DRAMA

INDEPENDENT PUPIL PROJECTS

Year 7

Next term we will be exploring the play 'Wacky Soap' by Mark Wheeler. Students can watch a live theatre performance of this on You Tube.

Link: <https://www.youtube.com/watch?v=JcLkJZQ-F8U>

Year 8

Easter a project. Next term we will be exploring the play 'Metamorphosis' by Steven Berkoff. Students can watch a theatre performance of this on You Tube.

Link:

Part 1: <https://www.youtube.com/watch?v=iNpnMlc0hR0>

Part 2: <https://www.youtube.com/watch?v=KgEiu0UYO5A>

Part 3: <https://www.youtube.com/watch?v=XxmuiTMgvnI>

Year 9 & Year 10

Next term we will begin work on Analysis and Evaluation of live theatre. Year 9 can prepare by watching the live theatre performance 'Girls Like That' on You Tube.

Link: <https://www.youtube.com/watch?v=Cx2KDNusk9E>

ENGLISH - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

Independent Learners

A person who is an independent learner can manage themselves as an individual or in group situations and will have these skills:

Goal setting: The ability to set realistic, relevant, challenging and manageable goals.

Time and resource-management: the ability to manage their own time and resources.

Focus: the ability to focus on the task in hand and work through distractions.

Subject: English

Topic Title: Roald Dahl



Your Task Choices

(Please choose at least one option from the Poster Tasks and at least two options from the Written Tasks)

You should ...

Poster:

1. Create a book cover for a Roald Dahl novel or collection of short stories.
2. Create a film/play poster for a Roald Dahl adaptation

Written:

1. Write a review of a Roald Dahl book you have read or a Roald Dahl film you have watched.
2. Write a brief biography of Roald Dahl.
3. Write a description of a protagonist and antagonist for a story.
4. Write a short story with a twist.

Your Success Criteria:

(Once you've chosen the format for your work, follow the guidelines below to make your work as good as possible)

1. <u>Poster/Book cover:</u> <ul style="list-style-type: none">-A3/A4 paper-Image of key character/s- Include quotes from reviews- If book cover include blurb. If film/play poster include venue, times etc	1. <u>Review of Book or film:</u> <ul style="list-style-type: none">- Typed or handwritten- Watch a Dahl film or read a Dahl book- Review the film/book commenting on; how interesting / original the story is ... how good the characters are... how good is the action / clues /twists etc.
2. <u>Describe</u> <ul style="list-style-type: none">-One side of A4-Are your characters male or female?- Can you use show don't tell?	3. <u>Short Story</u> <ul style="list-style-type: none">-One side of A4-Plan/Imagine a story with a twist-Write vivid character and settings.-Use a variety of vocabulary.

Challenge Box:

Write the script for a play adaptation of one of the stories we have studied.

Useful Websites:

(to help you with this task)

- <http://www.roalddahl.com/>
- <https://www.roalddahl.com/museum>
- https://en.wikipedia.org/wiki/Roald_Dahl

Literacy Focus:

Don't forget to proofread all of your written work and make sure you have **the correct punctuation** at the end of every sentence. Use a thesaurus to find a better word. Does each paragraph contain one expanded idea?

KS3

ENGLISH - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

"America - the land of opportunity."

Americana - A study of how America is presented in literature, cinema and art.

How America has been presented

Since the birth of the United States of America, there has been many versions of the American Dream that have been presented from Steinbeck's *'Of Mice and Men'* to Fitzgerald's *'The Great Gatsby'*, Lee's *'To Kill and Mockingbird'* and Twain's *'The Adventures of Huckleberry Finn'* via *'The Social Network'*, *'Rocky'* and *'The Pursuit of Happyness'* to Andy Warhol's soup cans and now it's your turn to explore this on-going theme.

Guidance

The project is to research novels, films and art that portray America as 'the land of opportunity' and discuss the 'American Dream' and how and why it has become important to both Americans and the rest of the world.

Research Pieces

The project should result in a report/presentation that can take whatever form you wish – it can be a PowerPoint, a video, a blog – however you want to do it. You should aim to include the following:

Identify the purpose of the project, the literature, films and art you will be investigating.

Collecting as much information as possible about them and how it portrays America and the American Dream.

You should look at how and why your chosen item was interesting/ appealing to an audience and who the intended audience were.

Final Outcomes

Present your research findings

Analyse the similarities between the novels, films and artists studied, identifying key themes that they use to present the idea of the American Dream

Track any changes to the American Dream over time and try and explain why they have happened

Try to give a definition to the American Dream and what it means to both American citizens and the rest of the world.

Be Creative!

You could now create your own version of the American Dream based on your research, findings and own ideas. This could take the form of:

A piece of creative writing

A short film

A piece of art work

You can then include this is your project and explain how your research influenced you to create it.

ENGLISH - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Mainstream Movies

“While 1990s blockbusters like “Jurassic Park,” “Titanic,” and “Braveheart” were standalone epics based on books or historical events, today’s highest-grossing films are primarily superhero movies” The New York Film Academy.

What you will do

In this project you will research what have been the most popular films of the last 30 or so years and why these have been hits with audiences.

Some of the best-known and popular films of recent times are ‘Jurassic Park’, ‘Titanic’, ‘Pirates of the Caribbean’ and ‘The Avengers’. You may want to research these, or others that are your personal favourites.

Guidance

The project is to research the films that have been popular, find out why they have been so popular, find out if there are any similarities between them, and, if there have been any changes in what films have become popular, why this may have been the case.

The project should result in a report/ presentation that can take whatever form you wish – it can be a PowerPoint, a video, a blog – however you want to do it. You should aim to include the following:

- A project title, identifying the purpose of the project, why you chose it and the films that you will be investigating.

- Collect as much information as possible about the films, the production process including funding, pre-production, production, distribution, the stars, special effects, the storyline, the money that it made at the box office, and anything else that you find interesting about it.

- How & why you consider it to be interesting / appealing to an audience (including who the intended audience was)

- Include details about the most popular films in the last 30 or so years - choose a decade to research - what were audience figures like in the 1990s, what types of film were they watching, and then some details about how that changed over each subsequent decade.

 - What were the top ten most popular films of the decade

 - What their budget was

 - How much they made at the box office

 - Who were the biggest film stars of the decade, including details about their films, the money that they made in their films, some autobiographical detail about them – how they got into acting, what they are doing now etc.

You can then draw some conclusions about the film industry – if it has changed, how has it done this over the last few decades.



GEOGRAPHY - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS



Egg-citing Easter Challenges

Here are some Geography-based ideas for your Easter holidays homework. They are for students from Year 7 to Year 13. Pick one or try them all! Good luck.

1. Create a geographically-themed Easter Egg. Hard boil an egg and let your imagination and creativity take hold! It could be:

- Oceans and land masses;
- Tectonic plate boundaries & the location of earthquakes and volcanoes;
- Sea surface temperatures;
- Predicted global temperature change;

Or: images to represent the topics in geography such as:

- urban areas,
- economic activity & globalisation
- Rivers, coasts & landforms;
- Biomes
- Different types of soil – because soil is amazing!



Take photos to show us your successes.

2. Use a map of the world and write down any capital cities of the world that have the letters 'H – E – N' in them. The letters can be in any order but it must have one of each in some part of the name. There aren't many to find! Try capital cities with four different vowels as an alternative.

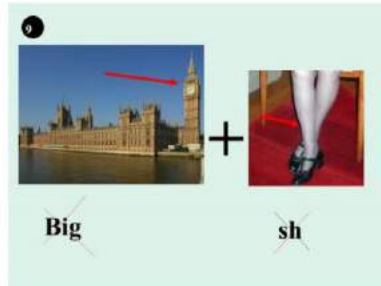
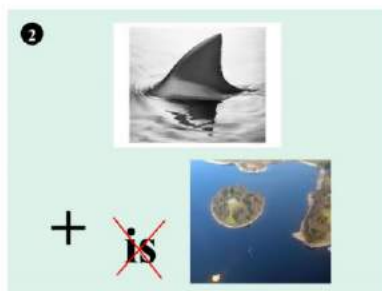
3. Find out about the mystery of Easter Island. How were these giant statues carved and moved on the island when they only had primitive technology? Why did the population initially explode but then start to die out?



GEOGRAPHY - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

4. Write the Easter Bunny's diary entry or create a cartoon strip about his / her disastrous day delivering eggs. The Easter Bunny would need to travel to Christian countries to deliver the eggs before dawn. The account of cartoon strip should cover the journey between all those different countries. What landmarks would he / she visit on the way? What climates, ecosystems and wildlife might make the journey difficult? Some of those countries may be experiencing conflict – where and why?
5. Find out how Easter is celebrated in different parts of the world. Could you create a news report or an ebook to teach others what you discover?
6. Plan an Easter egg hunt for your family. Draw a map of the house and garden to help them locate the clues or eggs. A good map should have a title, key and labels!
7. Can you solve any of these country dingbats? Say what you see...

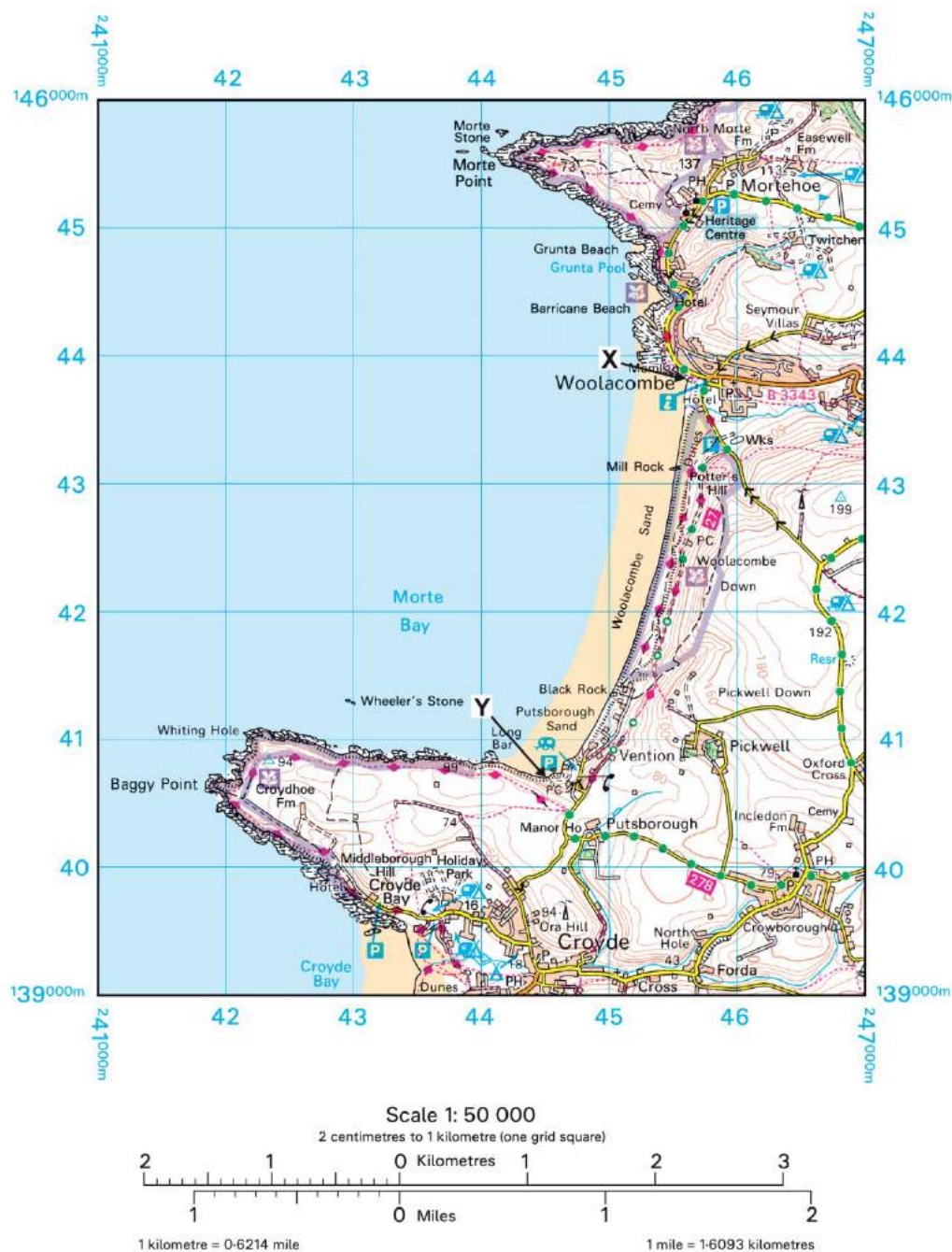


Good luck, stay safe & Happy Easter!

GEOGRAPHY - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

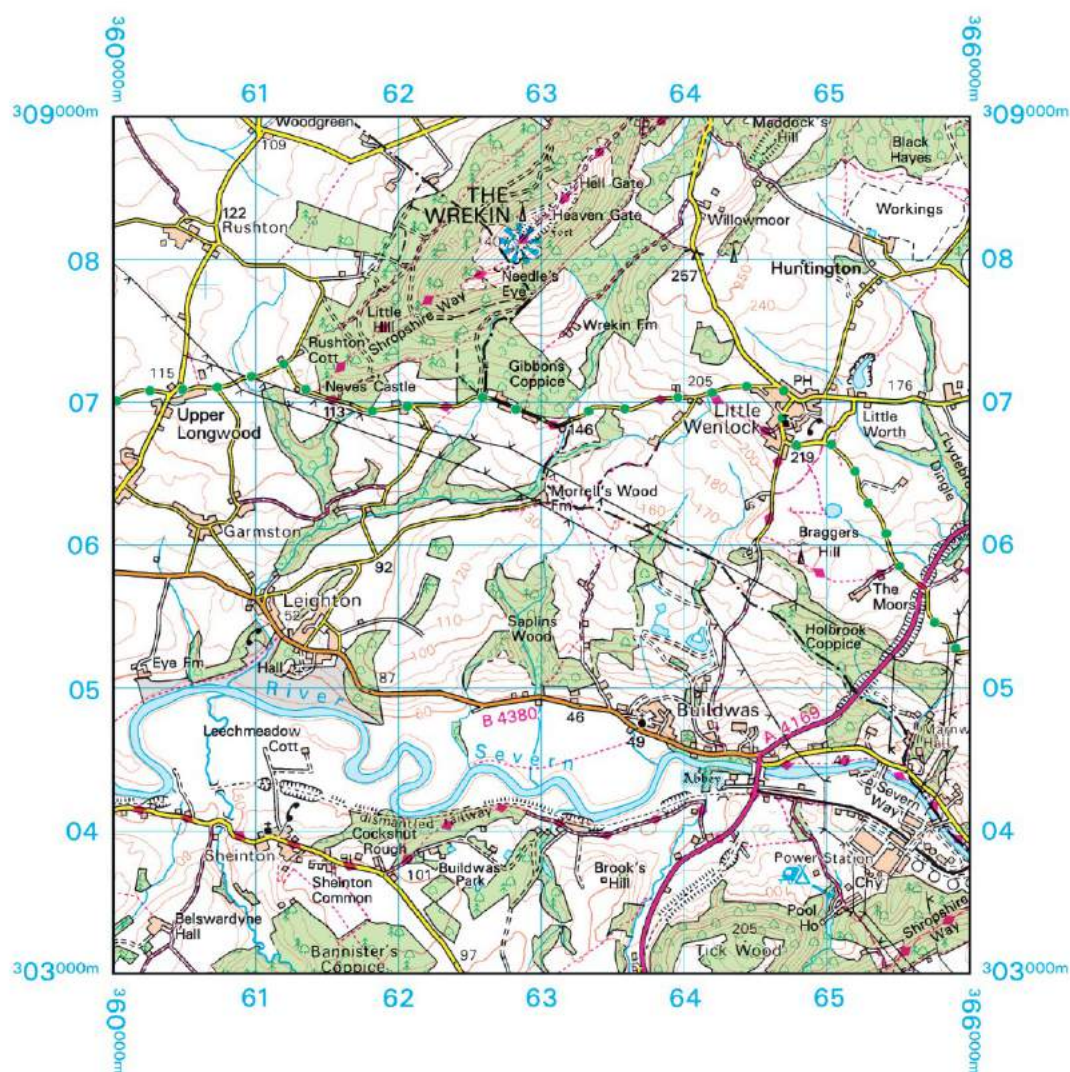
Figure 10



GEOGRAPHY - KEY STAGE 4

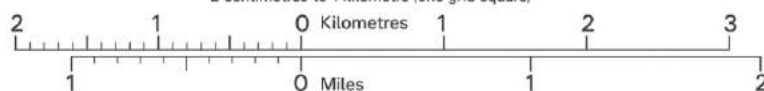
INDEPENDENT PUPIL PROJECTS

Figure 12



Scale 1: 50 000

2 centimetres to 1 kilometre (one grid square)



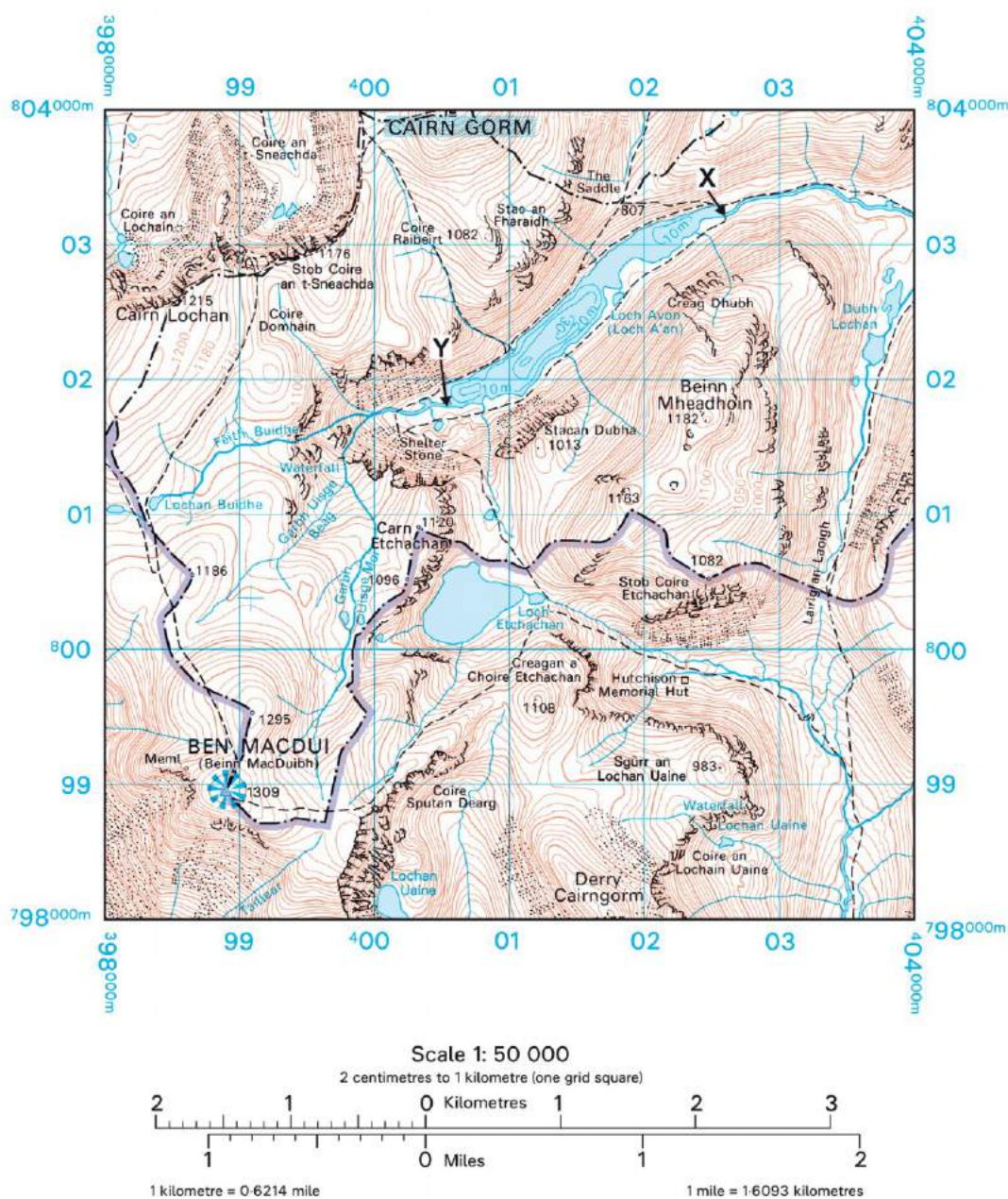
1 kilometre = 0.6214 mile

1 mile = 1.6093 kilometres

GEOGRAPHY - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Figure 15



GEOGRAPHY - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

OS map extract key

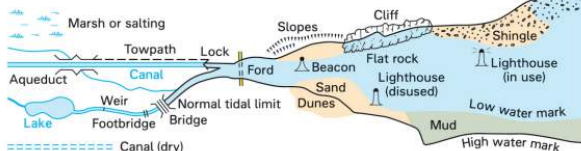
ROADS AND PATHS

	Junction number		Elevated
	M1		Dual carriageway
	A 470		Footbridge
	A 493		Road under construction
	B 4518		Narrow road with passing places
	A 855		Road generally less than 4m wide
			Gradient: steeper than 20% (1 in 5), 14% to 20% (1 in 7 to 1 in 5)
			Gates, Road tunnel
	Ferry P		Ferry (passenger), Ferry (vehicle)

RAILWAYS

	Track multiple or single		Bridges, footbridge
	Track under construction		Level crossing
	Siding		Viaduct, embankment
	Tunnel, cuttings		Station, (a) principal
	Light rapid transit system, narrow gauge or tramway		Light rapid transit system station

WATER FEATURES



HEIGHTS

	1 metre = 3-2808 feet
	Contours are at 10 metres vertical interval
	Heights are to the nearest metre above mean sea level

Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

PUBLIC RIGHTS OF WAY

	Footpath
	Bridleway
	Restricted byway
	Byway open to all traffic

The symbols show the defined route so far as the scale of mapping will allow.

The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland

Danger Area Firing and Test Ranges in the area. Danger! Observe warning notices.

BOUNDARIES

	National
	District
	County, Unitary Authority, Metropolitan District or London Borough
	National Park

ROCK FEATURES



OTHER PUBLIC ACCESS

	Other route with public access (not normally shown in urban areas). Alignments are based on the best information available. These routes are not shown on maps of Scotland.
	On-road cycle route
	Traffic-free cycle route
	National Cycle Network number
	Regional Cycle Network number
	National Trail, European Long Distance Path, Long Distance Route, selected Recreational Routes

ANTIQUITIES

	Site of antiquity
	Battlefield (with date)
	Visible earthwork
	Roman
	Non-Roman

TOURIST INFORMATION

	Camp site / caravan site
	Garden
	Golf course or links
	Information centre (all year / seasonal)
	Nature reserve
	Parking, Park and ride (all year / seasonal)
	Picnic site
	Recreation / leisure / sports centre
	Selected places of tourist interest
	Telephone, public / roadside assistance
	Viewpoint
	Visitor centre
	Walks / Trails
	World Heritage site or area
	Youth hostel

LAND FEATURES

	Electricity transmission line (pylons shown at standard spacing)
	Pipe line (arrow indicates direction of flow)
	Buildings
	Important building (selected)
	Bus or coach station
	Current or former place of worship
	Place of worship
	Glass structure
	Heliport
	Triangulation pillar
	Mast
	Wind pump, wind turbine
	Windmill with or without sails
	Graticule intersection at 5' intervals
	Cutting, embankment
	Landfill site or slag/spoil heap
	Coniferous wood
	Non-coniferous wood
	Mixed wood
	Orchard
	Park or ornamental ground
	Forestry Commission land
	National Trust (always open / limited access, observe local signs)
	National Trust for Scotland (always open / limited access, observe local signs)

ABBREVIATIONS

Br	Bridge	MS	Milestone
Cemy	Cemetery	Mus	Museum
CG	Cattle grid	P	Post office
CH	Clubhouse	PC	Public convenience (in rural areas)
Fm	Farm	PH	Public house
Ho	House	Sch	School
MP	Milepost	TH	Town Hall, Guildhall or equivalent

GEOGRAPHY - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Map Mission - Study the 1:50000 OS map showing part of the River Severn in Shropshire.

1 – Write down the 4-figure grid reference for the square that contains the words ‘THE WREKIN’ (1)

_____ 6208

2 - Using the OS map, circle the 4-figure grid reference for a square that has the largest area of flat land. (1)

A - 6407

B - 6304

C - 6205

D - 6005

3 - Circle which of these grid squares has the steepest gradient of the land. (1)

A - 6004

B - 6406

C - 6205

D - 6208

4 – Write down the *difference* in height between the spot heights at 641079 and at 633048. (1) _____ m
(257-46) 211m

5 – Circle the grid square that matches this description.

‘The River Severn flows west to east passing below a bridge over which the A4169 passes. The land is steeper in the north of the square than the south.’ (1)

A - 6303

B - 6504

C - 6404

D - 6505

6 – Circle the grid square that matches the following description?

‘There are several areas of woodland in this square, a B road and a small village. The height of the land varies between around 45m to 110m.’ (1)

A - 6504

B - 6008

C - 6406

D - 6105

7 – Circle the sentence that best describes the features of grid square 6205? (1)

A - A steeply sloping wooded area rising to over 200 metres in the north.

B - A gently sloping valley with a river in the south.

C - Land rising to its highest the north but which is steepest in the south east of the square.

D - A largely wooded area with a very steep slope reaching a highest point of 407m.

8 – In km, what is the distance in a straight line from the eastern edge of the map to the western edge? (1)

A - 3km

B - 4km

C - 5km

D - 6km

9 - What is the width of the River Severn as it flows under the bridge in square 6404? (1)

A - 50 m

B - 200 m

C - 350 m

D - 500 m

10 - What is the distance along the river from the bridge in square 6404 to the edge of the map at 660038? (1)

A – 1.3 km

B - 1.8 km

C - 2.3 km

D - 2.8 km

GEOGRAPHY - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Map Mission - study the 1:50000 OS map showing part of the coastline near Woolacombe.

1 - Write down the 4-figure grid reference for the square that contains the feature 'Mill Rock' near the beach. (1) _____

2 - Circle the four-figure grid reference for a headland with cliffs. (1)

A - 4542 B - 4643 C - 4240 D - 4441

3 - Circle which of these grid squares has the steepest gradient of the land. (1)

A - 4641 B - 4340 C - 4643 D - 4540

4 - Write down the *difference* in height between the top of the hills at 468428 and at 446396. (1) _____ m

5 - Which of the following coastal features is not shown in grid square 4339? (1)

- A - An area of sand dunes
- B - A rocky wave cut platform
- C - A wide sandy beach
- D - A coastal spit

6 - Circle the grid square that matches this description.

'The highest point on the map is in this square as is a very steep road and a camping and caravan site.' (1)

A - 4641 B - 4642 C - 4643 D - 4644

7 - Circle the grid square that matches this description.

'There is a large amount of sandy beach, a steep slope and a National Trust property.' (1)

A - 4542 B - 4543 C - 4440 D - 4339

8 - Circle the sentence that best describes the features of grid square 4643? (1)

- A - A high density of settlement with a named hill and several roads
- B - A wide plateau at the top of a hill above 190m
- C - A cliffed coastline with gently undulating land all below 100m
- D - A river valley with steeper land to the south than to the north

9 - What is the length of Woolacombe beach between 456438 (labelled X) and 445407 (labelled Y)? (1)

A - 2.5 km B - 2.9 km C - 3.3 km D - 3.7 km

10 - What is the average width of Woolacombe beach between 456438 (labelled X) and 445407 (labelled Y)? (1)

A - 0.4 km B - 0.6 km C - 0.8 km D - 1.0 km

HISTORY - YEAR 7

INDEPENDENT PUPIL PROJECTS

Year 7 History Project:

Motte and Bailey Castle or Black Death Project

You choose, you can either research and design your own Motte and Bailey Castle or research and create an item from the Black Death. Please use the additional slides for explanation, ideas and useful links to help you with this project.

Black Death: You are to research and use your knowledge of the Black Death to create an object from the time. You may want to make a diary from a person who was suffering from the Black Death or a newspaper article describing the impact of the Black Death on a town or village.

Year 7 Black Death

Create an object that may have been around at the time of the Black Death, for example a diary explaining a person's experience of the Black Death or a newspaper article describing the impact of the Black Death on a certain town or Village. Please feel free to be creative with this if you have another idea for an object, please let us know.



Black Death

Hint: You may wish to tea stain your paper to make it look authentically old

Useful links

<https://www.bbc.co.uk/bitesize/guides/z7r7hyc/revision/1>

<https://www.dkfindout.com/uk/history/black-death/>

https://kids.kiddle.co/Black_Death



HISTORY - YEAR 7

INDEPENDENT PUPIL PROJECTS

Year 7 History Project:

Motte and Bailey Castle: You are to research the features of a Motte and Bailey Castle. Looking closely at how these castles could be defended if they were under attack from the enemy. With your research you could then design your own well defended Motte and Bailey Castle. This can either be completed as a model (if you have available resources), a drawing, or a written description of your castle.

Year 7 Norman Castles

William the Conqueror and the Normans built castles to control the people of England. Use the work you have done in class and your own research to create or describe a castle of your own.

At this time it will be difficult to collect materials to build a castle, alternatives could include a Power Point about Norman Castles or a storyboard on how they were built. Check with your teacher if you are unsure.

Whatever you decide to do, you need to make sure that your features are labelled – you need to show why they are important!



Motte & Bailey Castle

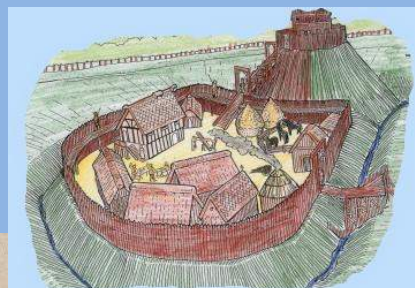
Useful links

[Build a Norman Castle – BBC](#)

downloads.bbc.co.uk/history/handsonhistory/HOH_Castle_activities.pdf

<https://www.castlesworld.com/tools/motte-and-bailey-castles.php>

[https://www.exploring-castles.com/castle designs/motte and bailey](https://www.exploring-castles.com/castle%20designs/motte%20and%20bailey)



HISTORY - YEAR 8

INDEPENDENT PUPIL PROJECTS

Year 8 history project

Over the Easter holidays you have the choice of completing one of the following projects. Please use the additional slides for help or further information:

- diary entry/letter from prison of a Suffragette fighting for women's rights/ A propaganda poster for the Suffragettes
- World War One trenches/ weaponry: You can recreate the trenches in either a model or create a diary entry about them. Or some in depth research on one type of World War One weapon, on its advantages or disadvantages. Some may chose to create a model of this.

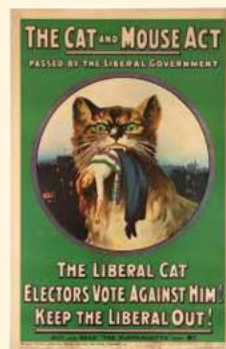
A diary entry/letter from prison of a Suffragette fighting for women's rights

or A propaganda poster for the Suffragettes

Or a poster that makes people want to give women the vote.



(feel free to tea stain)



- You can recreate the trenches in either a model or create a diary entry about them.

- Or some in depth research on one type of World War One weapon, on its advantages or disadvantages. Some may chose to create a model of this. **There are many videos on youtube created by Dan Snow to help you with this.**



(feel free to tea stain)

(A degsin of the trenches.)



Fact File	
Name	Reference
Date	Author Name
Main Content	
Site	Source

LEARNING FOR LIFE

INDEPENDENT PUPIL PROJECTS

Learning for Life Daily Challenges

Can you do one of these things each day over the next two weeks?

Create a top 10 list of your favourite songs / bands/ musical artists. Maybe create a playlist of your favourites.	Go outside into your garden or open your window, without your mobile phone nearby and just sit down with your eyes closed for five minutes. What can you hear?	Photograph the sky at the same time on 5 separate days and compare what you see.
Make each person in your family a nice drink without being asked.	Find an exercise you haven't tried before – yoga, boxercise, circuits/HIT, barre, skipping. Maybe look online or google exercise videos on youtube (But please don't sign up to anything!)	Look up a monthly challenge calendar (for ideas only, please don't sign up to anything!) – from exercise to mindfulness to lego to doodling to photography. Can you challenge yourself or others in your household?
Download a colouring page and spend half an hour just focusing on colouring it in. -There are lots of free ones online so you shouldn't have to sign up to anything or pay. Or you could order one off amazon (but please check this is ok with who ever pays the bills first).	Try meditation and spend 20 minutes doing that - (You Tube, Calm (free app), Headspace, Fitbit app (look under 'discover'), Alexa, or a guided meditation – (again please don't sign up to anything and please don't pay for anything, these can be found free of charge). Or find a quiet space and focus on deep breathing for 10 minutes.	Each day write down three things you are grateful for, or things that have made you smile/happy – they can be anything, even really small things. You could write them and save them on your phone.
Do a chore or something round the house to help someone, without being asked.	Go into your garden or look out of your window and notice five things which are beautiful or watch the clouds for ten minutes.	Try to do something that involves everyone or as many people as possible (who you live with) – board games, quiz, Joe Wicks exercise class, movie night, create a scavenger hunt for people to do, making something, arts and crafts.....

LEARNING FOR LIFE

INDEPENDENT PUPIL PROJECTS

LFL LOCKDOWN SCAVENGER HUNT

Each person in the house is given a list of things to find round the house/garden. You have to find as many as you can in the time allowed. We suggest a carrier bag to put things in as you may end up with more than you can carry in your hands or a 'safe' piece of sofa (watched over) where you can leave your items. Take care with anything breakable or squashable. And play nice! J

Rules: You need to decide on a time limit. We suggest half an hour, but it depends on how many items/players.

You do not need to collect all of the items on the list, they are suggestions, but you need to decide before you start exactly which ones you are going to try and collect (you could add to the list or make your own list).

Any mess you make must be cleared up before you can hand in your 'finds'.

One person will need to be the adjudicator (judge/referee/over-seer). They will be in charge of the timing, and all your 'finds' need to be returned to them before the time runs out! They will need to call out regular time checks, and their decision is final.

Everything you collect must be put back (or disposed of if necessary!) at the end.

The winner is whoever finds everything, in the quickest time, following all the rules set out above.

ITEMS:

A Q-tip or cotton bud
A pencil
A remote control
A paperclip
A very small piece of cheese
A book
Two odd socks (clean!)
A leaf
Shampoo
Something orange
Toothpaste
A CD
A spoon
A stuffed cuddly toy
A coaster
Keys
A ball of any sort
A button
A daisy
A drawing of a whole cat
A coin dated from the 1990's
A grain of dry rice
A photograph of a toilet roll

Something shaped like a square
A trainer
A piece of string 5cms long
A stone/pebble
An elastic/rubber band
A You Tube clip of a wombat doing something cute or funny
A piece of paper folded into an aeroplane
A red piece of lego
Something that starts with the letter 'T'
A smiley face
Something sticky
A school Tie
A stick or twig
A feather
Something that smells nice
10 blades of grass
A torch
A bowl
A mobile phone charger
A tea bag (unused)
A pillow

LEARNING FOR LIFE

INDEPENDENT PUPIL PROJECTS

The Project

◦Because its Easter, two traditional foods eaten at this time of year (as well as Easter Eggs), are Simnel Cakes and Hot Cross Buns!

◦Using the internet research:

1.Why Simnel Cakes and Hot Cross Buns are traditionally only made and eaten at Easter.

2.What do the decorations on them symbolise?

3.Who first created/made them and when?

◦Design your own recipe for either or both, then if possible have a go at making them, using your recipe and decorate them. Don't forget to take a photo of your finished cake or hot cross bun.

OR

◦Design your own food (cake or something else you can eat), that represents Easter to you (but not an Easter egg). Write down the recipe, explain how you would decorate it and why e.g. what would the decorations represent. Then if possible have a go at making it. Don't forget to take a photo of your finished creation.

You can get some help here;

[://www.bbc.co.uk/food/collections/easter_baking_with_kids](http://www.bbc.co.uk/food/collections/easter_baking_with_kids)

LANGUAGES YEAR 7

INDEPENDENT PUPIL PROJECTS

Introduction

French is not only spoken in France. In fact, did you know that French is the official language for more than 25 countries? So that we can learn more about these countries, I have decided to set you a project which will be completed during your Easter break. You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a youtube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

For this project, you will choose one of the French speaking countries listed below.

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on

Location/Geography, Official flag, Population, Money, Weather, Tourist attractions/landmarks, A brief history, Food

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

Research

For extra help, I have listed some of the French speaking countries that you can choose from and next to the countries are some useful Web addresses that you could use for your research. You are very welcome to use your own links but these are probably a good place to start looking.

- | | | |
|---|------------------------------|--|
| 1 | Martinique | www.martinique.org (general info)
www.lonelyplanet.com/destinations
(Americas > Martinique) |
| 2 | Quebec | www.bonjourquebec.com (general info and photos)
https://www.thoughtco.com/quebec-facts-508584 |
| 3 | Guadeloupe | www.lonelyplanet.com/destinations
(Americas > Guadeloupe)
www.antilles-info-tourisme.com
http://www.visitguadeloupe.co.uk/ |
| 4 | Senegal | www.lonelyplanet.com/destinations
(Africa > Senegal)
https://www.britannica.com/place/Senegal |
| 5 | Tahiti & French
Polynesia | www.lonelyplanet.com
(pacific Tahiti &.....)
https://www.tahiti.com/ |
| 6 | Monaco | www.lonelyplanet.com/destinations
(Europe Monaco)
www.visitmonaco.com |
| 7 | France | www.lonelyplanet.com/destinations
(Europe France)
www.franceguide.com |

If you would like to find a picture of the flag of your given country, go to Google images type into search...."flag of (+ country)

LANGUAGES YEAR 8

INDEPENDENT PUPIL PROJECTS

Introduction

Spanish is not only spoken in Spain. In fact, did you know that Spanish is the official language of more than 20 countries? So that we can learn more about these countries, I have decided to set you a project which will be completed during your Easter break. You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a youtube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

For this project, you will choose one of the Spanish speaking countries listed below.

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on:

Location/Geography, Official flag, Population, Money, Weather, Tourist attractions/landmarks, A brief history, Food, Famous people

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

Research

For extra help, I have listed some of the Spanish speaking countries that you can choose from and next to the countries are some useful Web addresses that you could use for your research. You are very welcome to use your own links but these are probably a good place to start looking.

A useful site is: <https://www.natgeokids.com/uk/teacher-category/places/>

Argentina - <https://www.lonelyplanet.com/argentina>

Youtube – search Argentina travel guide

Bolivia - <https://www.britannica.com/place/Bolivia>

Chile - <https://chile.travel/en>

Colombia - <https://www.lonelyplanet.com/colombia>

Costa Rica - <https://www.visitcostarica.com/en/costa-rica/general-information>

<https://www.lonelyplanet.com/costa-rica>

Cuba - <https://www.infoplease.com/world/countries/cuba>

Ecuador - <https://www.atlasandboots.com/interesting-facts-about-ecuador/>

<https://www.lonelyplanet.com/ecuador>

Mexico - <https://www.britannica.com/place/Mexico>

<https://www.kids-world-travel-guide.com/mexico-facts.html>

Peru - <https://www.natgeokids.com/uk/discover/geography/countries/country-fact-file-peru/>

If you would like to find a picture of the flag of your given country, go to Google images type into search...."flag of (+ country)

LANGUAGES YEAR 9

INDEPENDENT PUPIL PROJECTS

Introduction

German is not only spoken in Germany. In fact, did you know that German is the official language for 6 countries? German is also spoken as an additional language in lots of other countries – it is actually spoken by over 95 million people around the world. So that we can learn more about these countries, I have decided to set you a project which will be completed during your Easter break. You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a YouTube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

For this project, you will choose one of the German speaking countries listed below.

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on

Location/Geography, Official flag, Population, Money, Weather, Tourist attractions/landmarks, A brief history, Food, Famous people

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

Research

For extra help, I have listed some of the German speaking countries that you can choose from and underneath each of the countries are some useful Web addresses that you could use for your research. You are very welcome to use your own links but these are probably a good place to start looking.

Germany

- <https://www.britannica.com/place/Germany>
- <https://www.natgeokids.com/uk/discover/geography/countries/country-fact-file-germany/>

Austria

- <https://www.austria.org/overview>
- <https://www.britannica.com/place/Austria>

Belgium

- <https://www.infoplease.com/world/countries/belgium>
- <https://www.britannica.com/place/Belgium>

Liechtenstein

- <https://www.liechtenstein.li/en/country-and-people/did-you-know-that/>
- <https://www.coolkidfacts.com/liechtenstein-facts/>

Luxembourg

- <https://www.britannica.com/place/Luxembourg>
- <https://www.coolkidfacts.com/luxembourg-facts/>

Switzerland

- <https://www.kids-world-travel-guide.com/switzerland-facts.html>
- <https://thefactfile.org/switzerland-facts/>

LANGUAGES YEAR 9

INDEPENDENT PUPIL PROJECTS

Introduction

Spanish is not only spoken in Spain. In fact, did you know that Spanish is the official language of more than 20 countries? So that we can learn more about these countries, I have decided to set you a project which will be completed during your Easter break. You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a youtube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

For this project, you will choose one of the Spanish speaking countries listed below.

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on;

Location/Geography, Official flag, Population, Money, Weather, Tourist attractions/landmarks, A brief history, Food, Famous people

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

Research

For extra help, I have listed some of the Spanish speaking countries that you can choose from and next to the countries are some useful Web addresses that you could use for your research. You are very welcome to use your own links but these are probably a good place to start looking.

A useful site is: <https://www.natgeokids.com/uk/teacher-category/places/>

Argentina - <https://www.lonelyplanet.com/argentina>

Youtube – search Argentina travel guide

Bolivia - <https://www.britannica.com/place/Bolivia>

Chile - <https://chile.travel/en>

Colombia - <https://www.lonelyplanet.com/colombia>

Costa Rica - <https://www.visitcostarica.com/en/costa-rica/general-information>

<https://www.lonelyplanet.com/costa-rica>

Cuba - <https://www.infoplease.com/world/countries/cuba>

Ecuador - <https://www.atlasandboots.com/interesting-facts-about-ecuador/>

<https://www.lonelyplanet.com/ecuador>

Mexico - <https://www.britannica.com/place/Mexico>

<https://www.kids-world-travel-guide.com/mexico-facts.html>

Peru - <https://www.natgeokids.com/uk/discover/geography/countries/country-fact-file-peru/>

LANGUAGES YEAR 10

INDEPENDENT PUPIL PROJECTS

Introduction

In France, like in England, people celebrate many traditions that sometimes originate from centuries ago. The most common example is Bastille Day on the 14th July which can be seen as the French equivalent to Bonfire Night on 5th November. Do you know what happened in Liverpool between 4th-7th October 2018? Do you know what the French company Royal de Luxe specialise in?

Watch the videos below for more information:

<https://youtu.be/yDyUY8qZt0I> (diver from the Titanic)

https://youtu.be/a_qGy0FRK0I (3 giants, Liverpool)

Now, compare it to the following video:

<https://youtu.be/zfo8VhkV2Pc> (les Géants de Gayant, Douai)

So that we can build up our cultural knowledge of France and better prepare for potential exam questions on that topic (photo card, role-play), I have decided to set you a project about a tradition from the region I (Mr Deberque) was born in which will be completed during your Easter break. I remember the buzz and excitement in our city when the giants arrived as I felt very nostalgic. I have been used to seeing them a couple of times a year every year in France.

You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a youtube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on

1. examples of cities in France/Belgium where this is a tradition
 2. the dates those celebrations take place in Douai, Valenciennes and Arras
 3. the origins of that 'tradition des géants' and the date it started in Douai
 4. the names of some of the giants involved in the 'fête de Gayant' in Douai
 5. the reason they are only celebrated in northern France and in some parts of the south
- labelled pictures of specific giants

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

For the last part of your project, find a picture of 'les géants' and create a photo card task for your peers to complete. It should include 3 questions in the same style as exam questions we normally practise.

LANGUAGES YEAR 10

INDEPENDENT PUPIL PROJECTS

Introduction

In Spain, like in England, people celebrate many traditions and festivals which originate from many centuries ago. The most commonly known English festival is Guy Fawkes Night or as many of us will know it, Bonfire Night. In Spain there are several (hundreds of) weird and wonderful traditions and festivals that happen throughout the year, ranging from a tomato throwing festival called 'La Tomatina' to a bull running celebration called 'San Fermin'. There are however, some important, less known festivals for example, 'Las Fallas' (pronounced Fy-ass/Fires) which is celebrated in Valencia every March.

Watch the videos below for more information:

<https://youtu.be/ac2raZsttq8> (La Crema Plaza 2017)

<https://www.youtube.com/watch?v=Yv6TWV4A-ZM> (School trip 2019)

<https://www.youtube.com/watch?v=UuP0C48smzs> (La Crema 2019)

So that we can build up our cultural knowledge of Spain and better prepare for potential exam questions on the topic of Customs and Traditions, I have decided to set you a project about the tradition of 'Las Fallas' for you to complete during your Easter break. You can do this on PowerPoint, Publisher, make a hand drawn poster or booklet, create a youtube style video or anything original you can think of, this is your project so I am excited to see how you will present it!

What is to be included in the project?

Your project needs to show evidence of good research, and therefore I would expect sections on:

1. What the festival of 'Las Fallas' specifically represents/celebrates.
 2. What are the sculptures (ninots) made of and why?
 3. Which dates 'Las Fallas' takes place in Valencia.
 4. What are the important days called leading up to it and what happens during these?
 5. The origins of the festival of 'Las Fallas'.
 6. What English festival does it loosely compare to? Why?
- Why the festival is known as the festival of colour and noise.

Presentation is also very important, so you need to take extra special care with illustrations and writing etc.

For the last part of your project, find a picture of 'Las Fallas' and create a photo card task for your peers to complete. It should include 3 questions in the same style as exam questions we normally practise.

MATHS - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

Number systems

'Who invented numbers?' This is a question that maths teachers get asked all the time. Well now it is your chance to find out some answers.

Find out as much as you can about the history numbers (including integers, fractions, negatives and decimals)

Find out about the different types of number systems that exist?

How do the different number systems work?

How are calculations completed in different number systems?

Are the different number systems easy or difficult to use?

Which number system is the one you would prefer to use and why?

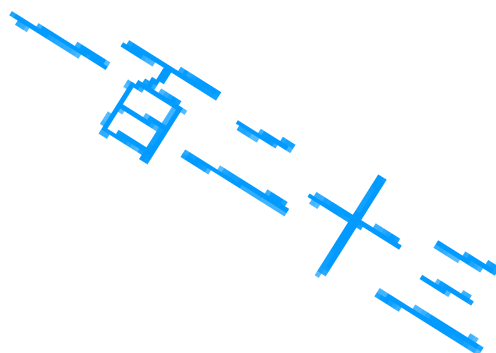
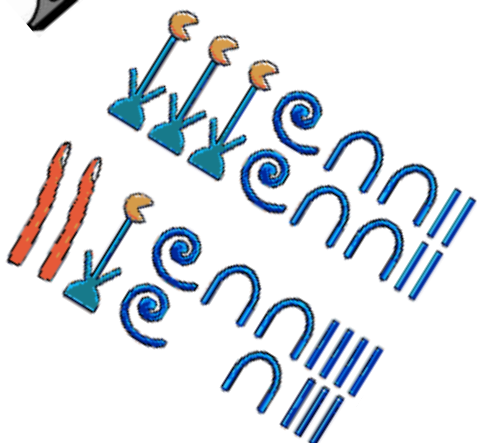
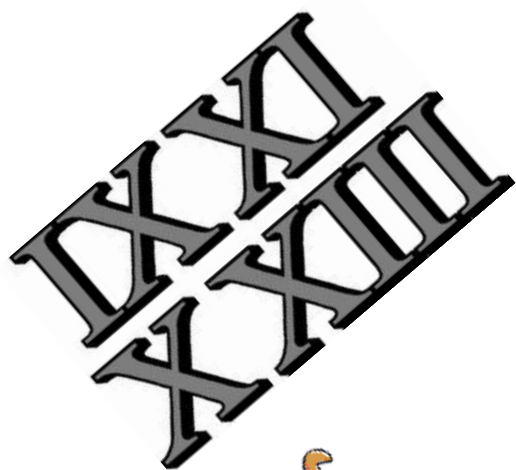
You could do two or more of the following

Present your research findings as a PowerPoint slideshow.

Design a poster to advertise a lecture about number systems.

Design and make booklet about the history of numbers and different number systems

Make up your own number system. Show how to calculate using your system.



MATHS - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Fibonacci

Find out as much as you can about the life and work of Fibonacci. You can record this in bullet point form or as a piece of writing.

Explore the Fibonacci sequence. Where does it appear in nature? Architecture? Art? Literature? TV? Films? Etc

Complete at least two of the following (do them all if you want to!)

- Construct a Golden rectangle and its spiral

- Calculate the value of phi as accurately as you can, show your working out

- Make a piece of art based on the Fibonacci sequence

- Construct the family tree of a bee

- Design the front cover of a biography of Fibonacci

- Make a maths worksheet with questions based on Fibonacci sequences

MUSIC

INDEPENDENT PUPIL PROJECTS

BASH THE TRASH

This Easter Break we are running a create your own instrument competition for all pupils across the school.

You must use items available to you in your house (recycling etc.) but make sure you ask permission first....you can make a Tune or Un-tuned instrument (Percussive).

Instruments will be awarded points in the following categories:

Looks good (aesthetically pleasing)
Can it play "Twinkle Twinkle Little star"
Which instrumental family it comes from
Originality- make it different and stand out!

You will need to do a bit of YouTube research to work out what is the best method of sound making for your instrument- you could use Pinterest or Google to generate some ideas. We have put some pictures on here to get you started.



PE - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

Your task is to research, design and complete a 1 hour at-home exercise training session. To do this you can use a range of different exercises, a variety of pieces of equipment and different spaces within your home/garden.

When you are designing your programme, think about the following:

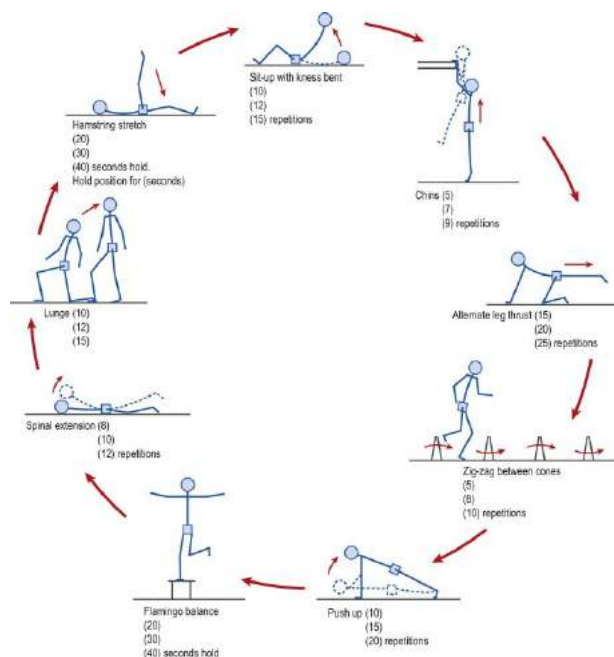
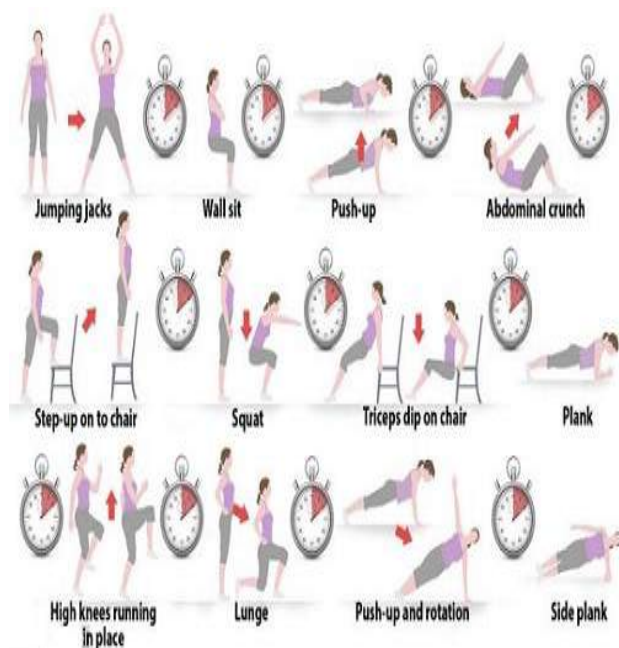
What exercises are you going to have in your session – will they be easy/hard? Will they be ones you have completed before or at school? Will they need a partner to complete?

What resources and equipment might you need – can you use everyday household items like tins of beans and bags of sugar? Can you make use of things already in your house/garden such as stairs, chairs or walls?

How long will each exercise last for? 30secs, 1min or 2mins? Does each exercise have to be the same length of time? Are you going to have any rest periods built in to your session to ensure you have a recovery period?

Don't forget to design a warm up and cool down before and after your session so that you are fully prepared to exercise and will recover quickly once your session is over.

Some ideas/examples to help you:



<u>Exercise</u>	<u>Duration</u>	<u>At Home Equipment</u>
Warmup: Jog in place	2 minutes	Body Weight
Run up & down stairs	2 minutes	Stairs
Alternating front lunges with bicep curls	1 minute	Stairs + Water Bottle
Weighted crunches	45 seconds	Heavy Book
Plyometric side to side jumps	1 minute	Towel
Wall Sit + Lateral Raises	45 seconds	Wall + Water Bottle
Plank	30 seconds – 1 minute	Body Weight + Towel
Tricep Dips	45 seconds	Chair
Jumping Jacks	1 minute	Body Weight
Decline Pushups	30 seconds	Chair

PE - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Family Fitness Bingo

Create your own fitness bingo card with a choice of your own exercises. Each player must have a different card meaning the exercises are in a different order. Each exercise you include on the bingo cards write on a piece of paper and fold over so you cannot see what it is. Each player will take it in turns to pick at random one of the folded pieces of paper. Once selected you must complete the exercise and cross it off your card. The game is to be played with 2 or more.

Tip: You can adjust the reps for each player this will allow everyone to work at a level that is suitable for them.

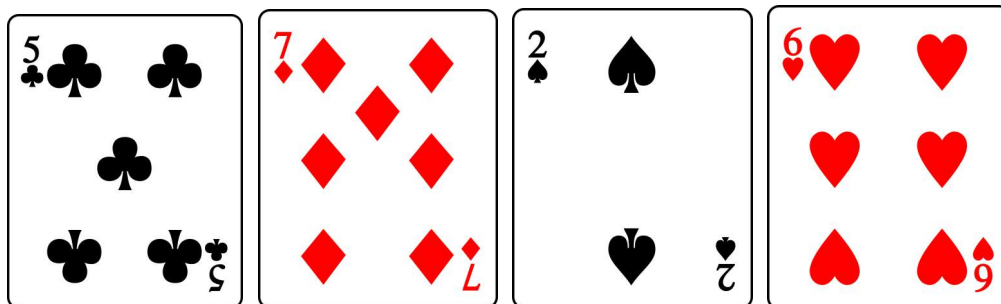


Card 1

PE - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Cards with a twist



CLUBS	DIAMONDS	SPADES	HEARTS
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Pick 4 different exercises, one for each suit. For example: Clubs – star jumps, Diamonds – sit ups, Spades – mountain climbers, Hearts – push-ups. Shuffle your stack of cards and work your way through. You would complete the exercise you have selected for that suit and the number on the card will indicate the repetitions. Good luck

SCIENCE - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS

Key Stage 3 Science:

Research four or more different specialised cells and make a 3D model, labelling and describing the function of each organelle.

Design a guide for primary school children on all the ways we use space technology in our homes and cities. Re-search the technology used at NASA here, <https://homeandcity.nasa.gov/>. Details to cover in your guide.

Do you think space travel is a good use of resources?

How do astronauts keep fit and healthy in space ?

Do you think we can learn from astronauts about living in confined circumstances?

Choose three elements from the periodic table and summarise the elements in a painting, mind map or piece of art. Research the discovery, history and uses of the elements you pick and display this in a way you think will capture imagination. Choose three from a group or three you like.

You can also attempt the key stage four projects.

Cell Model Project

Research 4 or more different cells and make a 3D model, labelling and describing the function of each organelle.

<https://sciencing.com/make-cell-5144667.html>

Challenge your family to make a cell and peer review using these questions below



1. Name of cell:
2. Parts of cell:
3. Function of the parts of the cell:
Yes/No
4. Special function of the cell:
5. Special adaptation of the cell:

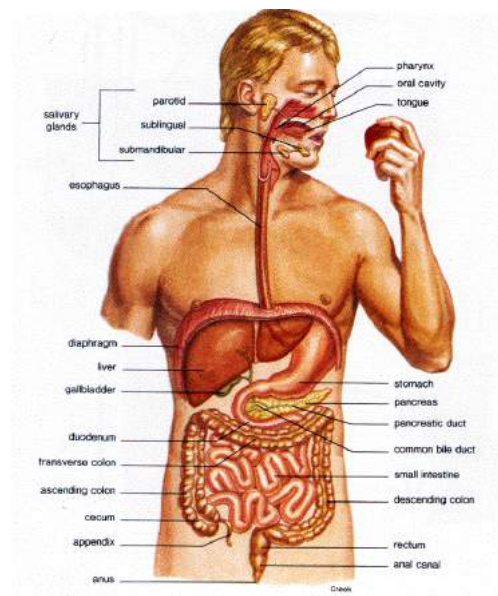


6. WWW:
7. EBI:



SCIENCE - KEY STAGE 3

INDEPENDENT PUPIL PROJECTS



Your task is to create a healthy eating portfolio. This can be produced using any medium

Week to be completed in:	Instructions	I have completed it
Week 1	Keep a diary of everything that you eat and drink for one week starting today	
Week 1	Look back at your food diary and think about how healthy your diet is. Do you think you are getting the right amount of nutrients for your life-style? Consider all of the activities that you do that need extra energy.	
Week 2	Design your self a new healthy balanced meal plan. Consider each of the food groups carefully and again factor in which days you need extra energy. How can your new plan compliment this?	
Week 2:	Michael Phelps takes in 12,000 Calories each day when he is training, why does he do this? Research a sports personality and add to your portfolio what type of food plan does this person follow?	

SCIENCE - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Key Stage 4 Science:

Write a biography of one or more of the scientists below. With each scientist is a title you can use to start you off. Document the story of their life and research what they are famous for. What else did these scientists do and what went wrong along the way.

Katherine Johnson – The female mathematician who helped put men on the Moon

Nikola Tesla – The forgotten genius?

Antoine Lavoisier – The science of burning!

Dmitiri Mendeleev – Putting the table together!

John Dalton – The little bits that make everything up!

Linus Pauling – enter the quantum realm!

Alfred Noble – A journey from Chemist to merchant of war then philanthropist

Humphry Davy – How can a chemist help the miners?

Alfred Russel Wallace – The forgotten man of evolution

Rosalind Franklin – Female scientific trailblazer.

Joseph Priestly – The accidental scientist

Louis Pasteur – More than just milk!

Robert Bunsen – More than just the burner!

Gertrude B. Elion – The modern-day drug developer

Carl Bosch – Bringing food to the masses

Sir William Ramsay – Discovering the invisible

Fritz Haber – From war time scientist to bringing food to the masses

SCIENCE - KEY STAGE 4

INDEPENDENT PUPIL PROJECTS

Key Stage 4 Science:

Write a biography of one or more of the scientists below. With each scientist is a title you can use to start you off. Document the story of their life and research what they are famous for. What else did these scientists do and what went wrong along the way.

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Alfred Russel Wallace – The forgotten man of evolution

Rosalind Franklin – Female scientific trailblazer.

Joseph Priestly – The accidental scientist

Louis Pasteur – More than just milk!

Robert Bunsen – More than just the burner!

Gertrude B. Elion – The modern-day drug developer

Carl Bosch – Bringing food to the masses

Sir William Ramsay – Discovering the invisible

Fritz Haber – From war time scientist to bringing food to the masses

Key Stage 4—The Dome Project

See separate resource document

EASTER CHALLENGE

INDEPENDENT PUPIL PROJECTS

Easter Homework

COMPLETE TASKS TO TOTAL **100 POINTS**



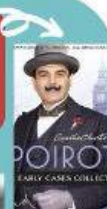
WATCH: 25 POINTS

200 Word Review for each film/ TV show you watch.

NETFLIX

BBC iPlayer

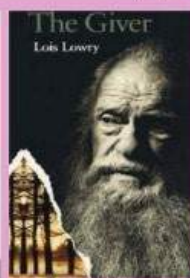
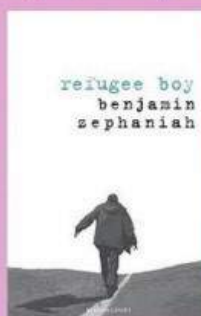
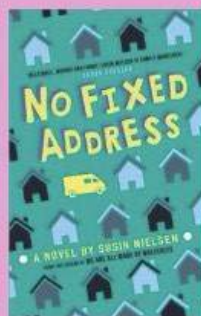
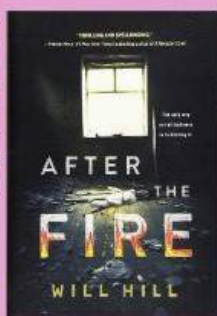
prime video



**ANY BOOK OR...
CHOICE**

READ: 50 POINTS

200 Word Review for each of the books you read.



OTHER: 25 POINTS EACH



TIME CAPSULE

Create a time capsule to bury in your garden, including newspaper articles, photos etc. Then write a 200 word description of life in 2020.

Complete a PE lesson with Joe Wicks, write a 200 word voiceover describing your workout!



JOE WICKS

COOK!



Cook a meal for your family. Then write a 200 word script for your own cooking show!

Design an Easter treasure hunt for your family and then write a 200 word description of it for an elderly relative to help them feel a part of it!

**EASTER EGG
HUNT**

Have a lovely break, look after yourselves and stay healthy!