

KENTON SCHOOL HOMEWORK YEAR 7 TASKS

Name:

Form:

Form Room:

Year Leader:

GUIDANCE

The Homework tasks in the different subjects should be submitted and celebrated in the last 3 weeks of each Half Term. Students can choose between 4 options including the Above and Beyond Homework Task which is extra special. You will be rewarded for completing high quality homeworks in creative ways especially the Above and Beyond tasks. The homework tasks must be completed in each Half Term in the dates below.

Half Term 1

October 9th to 13th - Maths, Art, Music, RE, Computer Studies

October 16th to 20th - Science, History, Technology, PE

October 23rd to 27th - English, Geography, French

Half Term 2

December 4th to 8th - Maths, Art, Music, RE, Computer Studies

December 11th to 15th - Science, History, Technology, PE

December 18th to 22nd - English, Geography, French

Half Term 3

Jan 29th to Feb 2nd - Maths, Art, Music, RE, Computer Studies

February 5th to 9th - Science, History, Technology, PE

February 12th to 16th - English, Geography, French

Half Term 4

March 11th to 15th - Maths, Art, Music, RE, Computer Studies

March 18th to 22th - Science, History, Technology, PE

March 25th to 29th - English, Geography, French

Half Term 5

May 6th to 10th - Maths, Art, Music, RE, Computer Studies

May 13th to 17th - Science, History, Technology, PE

May 20th to 24th - English, Geography, French

Half Term 6

July 1st to 5th - Maths, Art, Music, RE, Computer Studies

July 8th to 12th - Science, History, Technology, PE

July 15th to 19th - English, Geography, French

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ART

Half Term 1

Tone

Above and Beyond

Create your own monster character and shade them using 5 or more tones

Option 1

Draw a series of cubes, cylinders and spheres. Shade them using 5 or more tones

Option 2

Draw three tonal scales showing tone with your choice of mark making (blending, hatching, cross hatching, dots, scribbles etc.)

Option 3

Find two artworks that use tone in different ways and compare them. Three similarities and three differences.

Half Term 2

Typography

Above and Beyond

Choose a word and design each of the letters so they communicate the meaning of the word, for example, 'Shark' would have smooth and sharp letters.

Option 1

Draw a letter of the alphabet in block letters. Make it look three dimensional and textured.

Option 2

Create a drawing of your name using interesting lettering, such as block letters, different fonts, a range of colours.

Option 3

Write about what you've learnt in lessons about design for cards, drawing skills and typography.

Half Term 3

Colour

Above and Beyond

Take your own photos of objects or scenery to create a colour wheel using collage or digital techniques.

Option 1

Create a colour wheel using an imaginative and creative approach. Some previous examples are baking cakes, toy cars and digital artwork.

Option 2

Create a double page artist research page on the artist Georgia O'Keefe. This must include facts, images and your own artwork

Option 3

Create a colour wheel in colouring pencil or collage. You must include labels for primary and secondary colours

Half Term 4

Colour and pattern

Above and Beyond

Take at least five photographs of flowers and plants, email your work to your class teacher

Option 1

Create a double page artist research page on the artist Yellena James. Select at least three of your favourite images of her work - use formal elements to describe this work

Option 2

Create a visual mood-board (images) of Sealife and underwater creatures, email your class teacher your work

Option 3

Using your imagination, create an underwater image. You can use any materials - example: pencil, paint, pastel or collage

Half Term 5

Pattern

Above and Beyond

Create a collage inspired by the work of Yayoi Kusama

Option 1

Using zentangle patterns create a piece of artwork based on an animal

Option 2

Create a research page based on the formal element pattern

Option 3

Create a piece of artwork using the formal element pattern

Half Term 6

Formal Elements

Above and Beyond

Take at 6 pictures of objects or places showing formal elements.

Option 1

Create a piece of artwork using 3 or more formal elements.

Option 2

Create a research page about all of the formal elements, showing what each one is.

Option 3

Name and describe all of the formal elements.

COMPUTER STUDIES

Half Term 1

Network Use

Above and beyond

Find, read, and bring in a newspaper/online article about a recent advancement in computer hardware.

Option 1

Create a user manual explaining how to use Microsoft PowerPoint.

Option 2

Create a report listing the basic rules that someone should follow when using a school network. What will you not be allowed to do?

Half Term 2

Hardware:

Above and Beyond

Find, read and bring in a newspaper/online article about a recent advancement in computer hardware.

Option 1

Creatively present what you've learnt about hardware from lessons and your own research. For example, a video blog, model of a feature or presentation.

Option 2

Create a flow diagram showing how data moves around the memory/storage/processing components of a computer.

Option 3

Create a mind map briefly describing each computer component you have learnt about.

Half Term 3

Health and Security

Above and Beyond

Find, read and bring in a newspaper/online article about health and safety in the computing workplace.

Option 1

Using a diagram of a person sitting a computer desk, label and describe the possible health issues of long-term computer use.

Option 2

Create a mind map describing each threat to networks and the solutions to each.

Option 3

Create a mind map briefly describing each threat to networks.

DRAMA

Half Term 1

Above and Beyond

Attend a play or performance and write a review of this

Option 1

Research a famous performer and explain their career and specialist skills. Present this through a poster/magazine article/Vlog.

Option 2

Record a Vlog on what you have learned and developed in 'Introduction to Drama' so far.

Option 3

Create a key Drama skills poster with key words, definitions and supporting images.

Half Term 2

Introduction to Pantomime

Above and Beyond

Attend a pantomime

Option 1

Write an article about the relevance of pantomime in modern Britain.

Option 2

Creatively present what you've learnt about pantomimes from lessons and your own research. For example a video blog, model of a feature or presentation.

Option 3

Create a mind map of the stock characters that appear in a pantomime.

Half Term 3

Devising - Identity

Above and Beyond

Watch a piece of devised theatre on DigitalTheatre+ (such as Negative Space which is particularly useful for exploring devised theatre)

Option 1

Write a verbatim script based on the actual words of people involved in a real life event.

Option 2

Creatively present what you've learnt about devising from lessons and your own research. For example a video blog, model of a feature or presentation.

Option 3

Create an information poster on a devising activity for a drama classroom (research what is needed for a successfully devised activity)

Half Term 4

Theatre in Education

Above and Beyond

Watch a TIE production on DigitalTheatre+/YouTube

Option 1

Devise a script which tackles a current issue using the theatre conventions of TIE.

Option 2

Creatively present what you've learnt about TIE from lessons and your own research. For example a video blog, model of a feature or presentation

Option 3

Describe the features of TIE in the form of a booklet or poster.

Half Term 5

Performance Project

Above and Beyond

Attend a professional production

Option 1

Write a review about a theatre production you have seen in the past.

Option 2

Creatively present what you've learnt about professional theatre productions from lessons and your own research. For example a video blog, model of a feature or presentation

Option 3

Design a poster for a theatre production (real or fictitious).

Half Term 6

Performance Project 2

Above and Beyond

Attend the school production

Option 1

Write a newspaper article about the school production (interview cast and crew)

Option 2

Creatively present what you know about the school production. For example a video blog, model of a feature or presentation

Option 3

Design a poster for the school production.

ENGLISH

Half Term 1

A Midsummer Night's Dream

Above and Beyond

Write your own story/play with a link to A Midsummer Night's Dream. It could contain a similar plot, characters inspired by the play, or the same themes.

Option 1

Creatively present what you have learnt about A Midsummer Night's Dream in lessons and through your own research. Include information on plot, characters and themes. You can present this any creative way you wish, e.g., a model, a video, etc. Be creative!

Option 2

Write a poem based on A Midsummer Night's Dream. Take inspiration from one of the characters, a theme or one of your favourite scenes.

Option 3

Imagine you are film director. Write down who you would cast for each of the characters and explain why you have chosen them.

Half Term 2

Oliver Twist

Above and Beyond

Write your own story/play with a link to Oliver Twist. It could contain a similar plot, characters inspired by the novel, or the same themes.

Option 1

Creatively present what you have learnt about Oliver Twist in lessons and through your own research. Include information on plot, characters and themes. You can present this any creative way you wish, e.g., a model, a video, etc. Be creative!

Option 2

Write a script version of one of the chapters you have read. If you have a flair for drama, you could even film yourself and your friends/ family acting out the scene.

Option 3

Write some interview questions that you could ask one of the characters from the novel. Then, imagine you are that character and answer the questions. If you're feeling very creative, enlist the help of a friend or family member and record the interview!

Half Term 3

Creative Writing

Above and Beyond

Write your own story/play with a link to one of the images you looked at.

Option 1

Creatively present what you have learnt about creative writing in lessons and through your own research. Include information on plot, characters and themes. You can present this any creative way you wish, e.g., a model, a video, etc. Be creative!

Option 2

Write a poem in response to an image that you have chosen yourself. Write an explanation as to why you chose the image and what your poem means to you.

Option 3

Create a collage of images, linked by theme and then write a creative piece of writing based on the images.

Half Term 4

Nonfiction – People and the Environment

Above and Beyond

Write your own story/play with a link to one of the texts you've studied.

Option 1

Creatively present what you have learnt about in lessons and through your own research. Include information on plot, characters and themes. You can present this any creative way you wish, e.g., a model, a video, etc. Be creative!

Option 2

Write a speech based on one of the topics you have looked at. Remember to include persuasive techniques. If you are feeling ambitious, you could perhaps even video or record yourself delivering your speech.

Option 3

Write some interview questions that you could ask one of the people we have looked at. Then, imagine you are that person and answer the questions. If you're feeling very creative, enlist the help of a friend or family member and record the interview!

Half Term 5

The Hunger Games

Above and Beyond

Write your own story/play with a link to The Hunger Games. It could contain a similar plot, characters inspired by the novel, or the same themes.

Option 1

Creatively present what you have learnt about The Hunger Games in lessons and through your own research. Include information on plot, characters and themes. You can present this any creative way you wish, e.g., a model, a video, etc. Be creative!

Option 2

Write a script version of one of the chapters you have read. If you have a flair for drama, you could even film yourself and your friends/ family acting out the scene.

Option 3

Write some interview questions that you could ask one of the characters from one of the extracts you have read. Then, imagine you are that character and answer the questions. If you're feeling very creative, enlist the help of a friend or family member and record the interview!

Half Term 6

The Hunger Games

Above and Beyond

Write a poem which links to THG You could retell the story as a poem or write about one of the themes. Use your imagination!

Option 1

Create a quiz/ crossword/ wordsearch that could test the knowledge of your classmates.

Option 2

Construct a timeline to show the main plot points in the story. Be creative. How could you present your timeline?

Option 3

Create a map or model of the arena.

FRENCH

Half Term 1

C'est Perso!

Above and Beyond

Make a video of yourself teaching your family how to say what they look like and how to describe their personalities.

Option 1

Write out the alphabet and find the name of a different animal in French for each letter.

Option 2

Log on to Languagenut and score as many points as you can on the tasks your teacher has set you.

Option 3

Draw a mindmap illustrating what you have been learning this half term.

Half Term 2

C'est Perso!

Above and Beyond

Make a video of yourself teaching your family how to say how old they are and when their birthdays are

Option 1

Research a famous French person and write 25 words about them in French

Option 2

Create a presentation about yourself. This could be on PowerPoint, a poster or any format that you like

Option 3

Draw a mindmap illustrating what you have been learning this half term about yourself and your family

Half Term

Au Collège

Above and Beyond

Tell 5 of your teachers your positive opinion of their subject and a reason in French. Tell your teacher to email your French teacher to tell them

Option 1

Research life in French schools

Option 2

Create a presentation about your school. This could be on PowerPoint, a poster or any format that you like

Option 3

Draw a mindmap illustrating what you have been learning this half term

Half Term 4

Mes Passetemps

Above and Beyond

Cook something for your family following a French recipe

Option 1

Research a famous French sportsman or woman

Option 2

Log on to Languagenut and score as many points as you can

Option 3

Draw a mindmap illustrating what you have been learning this half term

Half Term 5

En Ville

Above and Beyond

Go to la petite crêperie in Newcastle and order a crêpe avec du nutella

Option 1

Research a famous festival in a French town or city

Option 2

Log on to Languagenut and score as many points as you can

Option 3

Draw a mindmap illustrating what you have been learning this half term

Half Term 6

3,2,1 Partez

Above and Beyond

Find out about the 'fête nationale', what it is and why it is celebrated

Option 1

Design your own French holiday camp and brochure

Option 2

Log on to Languagenut and score as many points as you can

Option 3

Draw a mindmap illustrating what you have been learning this half term

GEOGRAPHY

Half Term 1

My place in the World: UK

Above and Beyond

Create a model of a physical landscape that you would find in the UK – waterfall, mountains, river.

Option 1

Create a story board showing how the UK's economy has changed over time.

Option 2

Explain how a chocolate bar links the primary, secondary and tertiary sectors.

Option 3

Summarise what you have learnt about the UK in 100 words.

Half Term 2

UK Physical Landscapes

Above and Beyond

Explain how geology influences the type of landform found on the coastline.

Option 1

Create a case study fact file for your river flooding case study.

Option 2

Create a storyboard detailing the formation of a stump.

Option 3

Create a Venn diagram covering the features of constructive and destructive waves.

Half Term 3

What is an Economy?

Above and Beyond

Creatively present what you've learnt about the economy from lessons and your own research. For example, a video blog, model of a feature or presentation.

Option 1

Design a poster that covers the four sectors of the economy.

Option 2

Create a mind map showing how a chocolate bar connects the different sectors of the economy.

Option 3

Explain why the UK no longer has a large primary sector.

Half Term 4

What is weather and climate?

Above and Beyond

Create a micro-climate instrument – such as a weathervane.

Option 1

Draw the 12 features of the Beaufort scale.

Option 2

Annotate a photograph showing the impacts of extreme weather.

Option 3

Create a climate graph for a city of your choice.

Half Term 5

How is population changing?

Above and Beyond

Create a Learning Journal throughout the topic, summarising your learning after each lesson.

Option 1

Cook a recipe from a country we have studied during population change – take a photograph of your dish and share it with your class. (Make sure you have parental supervision).

Option 2

Describe in over 100 words how the world's population is changing.

Option 3

Make a table showing all the positive and negative impacts of a growing population.

Half Term 6

What makes the USA unique?

Above and Beyond

Make a model of a physical landscape found in the USA.

Option 1

Design your own bingo game using the states of the USA.

Option 2

Create a 10-question quiz for your classmates to complete.

Option 3

Draw a mind map connecting the features of the USA that you have learnt.

HISTORY

Half Term 1

Romans

Above and Beyond

Go to a local Roman Fort and take a picture of yourself studying there.

Option 1

Create a case study fact file for your Roman topic.

Option 2

Design a newspaper front page explaining what the Romans brought to Britain.

Option 3

Explain the importance of Roman Roads.

Half Term 2

Normans

Above and Beyond

Bake a castle cake and take a picture of it

Option 1

Creatively present what you've learnt about the Battle of Hastings from lessons and your own research. For example a video blog, model of a feature or presentation.

Option 2

Draw a mind map to show the contenders for the throne in 1066

Option 3

Summarise the events of the Battle of Hastings in over 100 words

Half Term 3

Middle Ages

Above and Beyond

Make a model of a middle ages village and take a picture of it. You can use any type of material- card board, Lego or a cake for example.

Option 1

Design a newspaper front page explaining what it was like to live in a Middle Ages village

Option 2

Draw a mind map to show the causes, symptoms and consequences of the Black Death in 1348

Option 3

Summarise your learning of the Middle Ages in over 100 words

Half Term 4

Tudors and Stuarts

Above and Beyond

Draw your own portrait of one of the Tudor monarchs

Option 1

Creatively present a Family Tree for the Tudors

Option 2

Research and create a fact file on one of Henry VIII's wives

Option 3

Summarise your learning of one of the Tudor monarchs in over 100 words

Half Term 5 Topic\SOW: Tudors and

Stuarts

Above and Beyond

Write a defence speech for the Catholic Plotters who tried to blow up the Houses of Parliament

Option 1

Creatively present what you've learnt about the Tudors and Stuarts from lessons and your own research. For example a video blog, model of a feature or presentation.

Option 2

Create a mind map to show the protests and plots of the Tudor and Stuart times

Option 3

Summarise your learning of the English Civil War in over 100 words

Half Term 6

British Empire

Above and Beyond

Research a country of the British Empire and find 10 facts about it

Option 1

Create a commemorative plate to show key facts about the British Empire

Option 2

Draw a mind map to show the reasons the British wanted an Empire

Option 3

Describe the ways the British Empire had an impact in over 100 words

MATHS

Half Term 1

Above and Beyond

Tower of Hanoi Puzzle: Can you determine the rule to solve the Tower of Hanoi puzzle? Write up your ideas. Play Tower of Hanoi (mathsisfun.com)

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

Half Term 2

Above and Beyond

Research Project: Modern Art Maths FDP. A fractions, decimals, percentages conversion activity based around students creating their own works of 'modern art' on a hundred grid. Modern Art Maths FDP | Teaching Resources (tes.com)

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

Half Term 3

Above and Beyond

Research Project: Geometry Map Project. Design a map that includes several distinct kinds of lines, angles and triangles. Your map can be of a town, your neighbourhood, a made up place...it must incorporate 2 sets of streets that are parallel, 2 sets of streets that are perpendicular, and one street that intersects another street to form an obtuse angle. Maths Projects - List of Math Project Models and Examples | Mathematics (vedantu.com)

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

Half Term 4

Above and Beyond

Research Project: Creating a Change Story with Negative Numbers. Represent a change story using addition and subtraction symbols. Negative numbers | NCETM

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

Half Term 5

Above and Beyond

Research Project: Design Your Own Shelter (Using Multiplication and Area). Use area and perimeter to help design your own shelter. Area and Perimeter Project | Teaching Resources (tes.com)

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

Half Term 6

Above and Beyond

Research Project: Research on Prime Number. Complete a report on the Riemann Hypothesis by Marcus du Sautoy. Teacher package: Prime numbers | plus.maths.org

Option 1

Sparx Compulsory Work (this is the one hour task each student is expected to do)

Option 2

Sparx XP Boost (additional optional work students can do for further stretch and challenge)

Option 3

Sparx Compulsory Work/XP Boost/ Times Tables Extra (students can complete two optional tasks on top of their normal expected task)

MUSIC

Half Term 1

Above and Beyond

Attend a concert or gig and write a review of this.

Option 1

Research a famous musician and explain their career and specialist skills. Present this through a poster/magazine article/vlog.

Option 2

Record a Vlog on what you have learned and developed in 'What makes Music?' so far.

Option 3

Create a key Music skills poster with key words, definitions and supporting images.

Half Term 2

African Drumming

Above and Beyond

Compose and perform a piece of music inspired by African Drumming using items found either at home or in school. You should include elements such as call & response, unison and improvisation. Record your performance and submit it to your teacher via email or via a school iPad on Seesaw.

Option 1

Complete the quiz on Microsoft forms on the topic of African Drumming & rhythm notation

Option 2

Attend Drumming Club on a Thursday for a full half term.

Option 3

Create your own African instrument (Djembe, Talking Drum, Kora, Mbira) using household items and bring it into school.

Half Term 3

Just Play 1

Above and Beyond

Music Journalism - Go and watch a live music performance. This could be at a community centre, a local church, at The Sage Gateshead, The O2 academy, the Utilita arena or any other venue. Take a photo of yourself there and write a review of your experience. If you can't get to a live performance, watch a live performance on YouTube.

Option 1

Complete the quiz on Microsoft forms for the topic 'Just play 1'

Option 2

Track of the week - Listen to a piece of music of your own choice. Create a series of 'track of the week' style questions such as 'Describe the dynamic' and 'What are the instruments'. Provide answers to your questions and share your work with your teacher.

Option 3

Album review - Listen to a full album of your choice by any artist and create an album review. In your album review, you should explain your thoughts on the album and describe each track of the album in detail. This can include what each song is about, why you like it or why you don't and how instruments are used.

Half Term 4

Just Play 2

Above and Beyond

Attend a musical club for the full half term.

Option 1

Keep a listening diary of all the songs you hear throughout the day for a full week. This should be songs you listen to as well as those you might hear on the radio, in games and the TV. Send a copy of this to your music teacher!

Option 2

Design a musical logo for a band, artist or even yourself! Share a photo of your design.

Option 3

Music Composer - Create your own short song using the chords you have learnt in your 'Just play' lessons. This could be a solo performance or a group project.

Half Term 5

Music for Adverts 1

Above and Beyond

Write a voiceover script for 'Diamond Stream', a new free music and movie streaming service for teenagers. Record yourself delivering your voiceover and send it to your teacher.

Option 1

Complete the quiz on Microsoft forms for the topic 'Music for adverts'

Option 2

Find a piece of music that follows each of the following types of music form: 1. Binary 2. Ternary 3. Rondo 4. 32 bar pop structure

Option 3

Analyse an advert on TV. Describe the underscore, jingle and voiceover and explain why it's effective for promoting the product.

Half Term 6

Music for Adverts 2

Above and Beyond

Create a piece of music using soundtrap or garageband. Your piece of music should include a drum beat, bassline and a melody.

Option 1

Complete the quiz on Microsoft forms for the topic 'Music for adverts 2'

Option 2

Create a user manual sheet explaining how to use basic buttons on the app 'Garageband'

Option 3

Create a piece of music on 'Beepbox' (search 'Beepbox' on google). Record your composition and share with your teacher.

PE

Half term one

Above and beyond

Complete a fitness test, record it in your planner (submit to your PE teacher if you want). Work on improving this aspect of your fitness, then repeat the test 6 weeks later. Let us know your progress

Option 1

Create a poster about your favourite sporting role model

Option 2

Burpee or Updowns challenge.
Complete 50 burpees or Updowns everyday for a week

Option 3

Complete 10,00 steps every day for a week Half

Half Term 2

Above and Beyond

Select one of the countries playing in the mens football World Cup. Research their history in the competition and the key players of their team presenting your findings in a creative way.

Option 1

Attend a after school club every week of the Half Term

Option 2

Write a match report for a sport of your choice

Option 3

Complete 10,000 steps every day for a week

Half Term 3

Above and Beyond

Watch one of the Newcastle teams play a live fixture taking a photo of yourself at the game. For example Newcastle United men or women, Newcastle Falcons or Newcastle Eagles. Or an amateur local sporting fixture.

Option 1

Take part in sporting activity during the weekend every week of the Half Term.

Option 2

Use You Tube to learn a new skill eg, headstand or a football trick

Option 3

Complete 10,000 steps every day for a week

Half Term 4

Above and Beyond

Every other day complete the following fitness challenge: 15 push ups, 15 sit ups, 15 burpees, 15 squats and a 30 second plank.

Option 1

Create your own HOW TO video for a skill in a sport of your choice.

Option 2

Write a match report for a sport of your choice

Option 3

Complete 10,000 steps every day for a week

Half Term 5 Topic\SOW:

Above and Beyond

Topic Your sporting hero. Creatively present your sporting hero including information such as the sport, statistics on their career, background information on their life and why they appeal to you.

Option 1

Take part in sporting activity during the weekend every week of the Half Term.

Option 2

Write a match report for a sport of your choice that you have watched.

Option 3

Complete 10,000 steps every day for a week

Half Term 6

Above and Beyond

3 km challenge. A minimum of twice a week run 3 km writing your times in your planner. Show your PE teacher your fastest time.

Option 1

Write a review of your experience in PE this year. What have you learnt? What did you most enjoy? Has your fitness improved and how? How could PE improve next year?

Option 2

Create a poster of why PE is important in school that can be displayed.

Option 3

Complete 10,000 steps every day for a week

RE

Half Term 1

Being Religious in the UK

Above and Beyond

Formulate a conversation between you and a friend/family member or guardian, discussing this question “Does religion still exist” try to have two opposing points of view

Option 1

Research the current 2023 census of each of these religions in the UK: Christianity, Islam, Hinduism, Buddhism, Sikhism, Judaism, and non religious.

Option 2

Apply your learning and listen to/watch/read the news at least twice this week and write a report about an interesting story. Include your opinion on the story. Look out for stories that link to Religion.

Option 3

Describe what ‘religion’ and ‘beliefs’ are (in 100 words)

Year 7 Christianity

Above and Beyond

Visit a Cathedral or a Church and see if you can notice anything that you have learnt in lessons

Option 1

Watch the film Narnia, create a film review and identify how some of the aspects link to Christian teachings

Option 2

Create a 8 section story board of the story of Adam and Eve. Explain what happened and what happened as a result of their actions for humans.

Option 3

In 100 words, write a summary about

SCIENCE

Top tip! Don't forget you can use the LRC as well as the internet and youtube to help with any of your research projects.

Half Term 1 Topic

Cells

Above and Beyond

Write an NHS leaflet about organ donation that explains:

- What organs are
- Importance of organ donation
- Importance of finding a tissue match
- Pros and cons of donation Vs stem cells

Option 1

Make your own model plant and animal cells out of household items. Think about making is as realistic a model as you can with clear labels. Be creative (various materials, even food items)

Option 2

Find out about 3 different specialised cells in plants or animals.

- Include a labelled diagram.
- Describe the structures of the cell and how these helps it function.

Present your findings as a poster or leaflet

Option 3

Describe how cells, tissues and organs are linked.

Give an example of each.

Half Term 2

Forces

Above and Beyond

Design your own racing car, rollercoaster or skate park.

- Draw or build your design
- Write sentences to explain how your design will be the fastest using the ideas of friction, drag and thrust
- Add and explain any safety features and how you will speed up / slow down

Option 1

Egg drop test - Investigating forces in crashes

- design a contraption using various household materials to protect a raw egg from a high fall
- build and test your design, you may even choose to try a few!

- take photos, and present your findings as a poster or report to show the reasons for your design, what you found, and any other information

Option 2

Egg drop test - Investigating forces in crashes

Complete the worksheet showing your design

<https://tinyurl.com/2p8x4zxp>

Option 3

Write a list of all the forces you spot for one day or week.

Can you draw diagrams to show where you spotted forces?

Half Term 3

Atoms, elements and compounds

Above and Beyond

Create a fact file for 2 metal elements and 2 non-metals

- Describe the properties of each element
- Write a word equation to show what would happen if the metal and non-metal reacted
- Describe how the properties of the compound product is different to that of the element reactants

Option 1

Create a fact file for 2 metals and 2 non-metals

- What is the name of the element?
- Describe its properties and uses.
- What do all metals have in common?
- How are non-metals different?

Option 2

Create a poster or powerpoint to show understanding and knowledge of the similarities, differences, and explanation of elements, compounds, and mixtures

Option 3

Model elements, compounds and mixtures

- uses lego bricks, play doh or other materials at home to model how atoms are arranged in elements, compounds, or mixtures.
- Draw or photograph your models and write a sentence to explain them

Half Term 4

Gravity & Space

Above and Beyond

Can you calculate how high you could jump on different planets?

- Measure how high you can jump on Earth.
- Calculate your jump on other planets using the help sheet here: <https://tinyurl.com/3nyusrs4>
- Research how gravity differs on each planet

Option 1

Build a model solar system and explain how the planets are kept in orbit

Option 2

Solar holiday!

- Research what it is like on another planet
- Write a postcard as if you have gone on holiday to that planet to explain what it would be like

Option 3

Design your own rocket!

- Build it out of household materials

- Explain your design using words like gravity, thrust, drag

Half Term 5

Reproduction

Above and Beyond

Create an NHS leaflet for 11-16 year olds that explains:

- What fertilisation is
- What happens in the gestation period
- How twins are made

Option 1

Write a creative story that either:

- describes the journey of a sperm to the egg
- describes the journey of a piece of pollen explaining its role in reproduction. You could write this in first person, as if you are pollen.

Option 2

Choose some animals to research how they reproduce. For example, do they lay eggs? What are their offspring called? What are the different stages of reproduction? Compare your animals. What's the same and what's different about how they reproduce?

Option 3

Draw a diagram or story board to show what happens at fertilisation to make a baby

Half Term 6 Topic\SOW: Electrical circuits

Above and Beyond

Can you make a battery out of lemons?

- Research how and with adult help, see if you can safely build your own!
- Take photos and / or describe how you got on

Option 1

Research Cragside

- Who was Lord Armstrong?
- Why is Cragside an important piece of history for electrical engineering?
- Perhaps visit Cragside if you can and write up what you find

Option 2

Research Joseph Swan

- Who was he?
- What did he invent?
- Perhaps visit the Lit and Phil near central station and find out how it is linked to electrical inventions

Option 3

Make an electrical safety poster

- Describe what electricity is
- Draw a circuit
- List some safety rules

TECH

Half Term 1

Above and Beyond

Invent a device that could be used in the house to make life easier for the elderly. You should draw the product and explain its features and how it will revolutionise the lives of those who use it. (You do not have to make the product!)

Option 1

Research a famous inventor and the importance of their work. Present this through a poster/magazine article/vlog.

Option 2

Record a Vlog on what you have learned and developed in your current project so far.

Option 3

Create a key Technology skills poster with key words, definitions and supporting images, be careful to consider Health & Safety too.

Half Term 2

Aluminium key tag

Above and Beyond

Collect a bag of aluminium recycling from a public space and put it into your recycling bin. Take photographic evidence.

Option 1

Create an aluminium research page, use colours and bold titles to make it look interesting. Include: material properties & product examples

Option 2

Write a list of aluminium products that you can find in your home

Option 3

Aluminium is a very malleable metal. Create an information sheet which explains the definition of malleable and shows other examples of malleable substances and their purposes.

Half Term 3 Topic\SOW: Nutrition and health

Above and Beyond

Plan with your parents or carers a well balanced meal and if you have the opportunity to help to prepare the food

Option 1

Using the eatwell guide show how you meet the recommended amounts of Macro nutrients in our diet

Option 2

Show what healthy snacks you could swap out for sugary snacks to reduce your sugar intake

Option 3

Make a food diary of the sugar you eat for one week when snacking

Half Term 4

Wood and materials

Above and Beyond

Find one pine product online or in your home that you think could be improved. Re-design this product, changing materials or aesthetics, explaining reasons for your changes.

Option 1

Create a research page on the three different categories of wood, use colours and bold titles to make it look interesting. Include: category names, types within these, properties & product examples.

Option 2

Write a list of pine products that you can find in and around your home.

Option 3

Pine is slightly durable. Research what this term means and explain. Make a list of other durable materials.

Half Term 5

Plastics

Above and Beyond

Collect a bag of plastic recycling from a public space and put it into your recycling bin. Take photographic evidence.

Option 1

Create a research page on thermo and thermo setting plastics, use colours and bold titles to make it look interesting. Include: plastic names, sustainability/recyclability, properties & product examples.

Option 2

Write a list of products that you can find in and around your home made from plastic. Try to categorise these into thermo and thermosetting.

Option 3

Create an information sheet which explains the definition of thermo and thermosetting plastics and shows examples and their uses.

Half Term 6 Topic \SOW: Nutrition and health

Above and Beyond

Create a shopping list of nutritional food you would recommend buying for a food bank and explain why.

Option 1

Plan a daily food diary where you will be eating varied vitamins and minerals and explain which foods provide these.

Option 2

Plan a packed lunch that would help you increase eating 5 portions of fruit and vegetables per day.

Option 3

Review your packed lunches for one week and show where you eat fruit and vegetables to contribute to your 5 a day.



HOMEWORK TASKS