Henlow
Church of England Academy

Henlow Academy Home Learning Enrichment and Extension Tasks

YEAR 8

AUTUMN

Art

BRONZE

List as many landmarks from around the world as you can! Spend 30 minutes drawing one with a media of your choice. Stick into your book.

SILVER

Watch this video on artist JMW Turner: [Becoming an Artist: J.M.W. Turner | Tate Kids]
Fill out the form on your Google classroom.

GOLD

Draw the view from a window! Get creative, use whatever media you wish, in whatever style you like! Stick into your book.

PLATINUM

Visit a gallery or exhibition of your choice at a weekend or during a holiday. For more information talk to your Art teacher.

Complete a task of your choosing to wow your teacher with your interests and understanding.

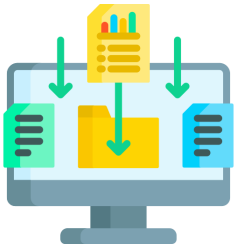
Computing

-Research: What makes someone a “good digital citizen” online? Write down 5 points.

-Write down 3 tips for creating a strong password and give an example of one.

-Create a short poster or infographic on how to be a good digital citizen.

-Sit with a family member and help them organise files and folders on the home computer.



Complete the Digital Citizenship PowerPoint on Google Classroom by researching and answering all questions.

OR Design a campaign poster warning about online risks (phishing, scams, social media privacy).

Online Course: Google Be Internet Awesome

https://beinternetawesome.withgoogle.com/?utm_source=chatgpt.com

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Drama

Watch a short clip from a play, film, or TV show. Write 5 things you notice about how the actors use voice, movement, and facial expression to show emotions or tell the story.

Choose a short poem or monologue (you can provide a simple one), and practice reading it aloud with different voices: angry, excited, scared, and happy. Record yourself (with permission) or write down how you changed your voice for each emotion.

Write a letter to your favourite actor/ actress telling them why they are your favourite/ what they do that grabs your attention and asking them for advice!

Complete a task of your choosing to wow your teacher with your interests and understanding.

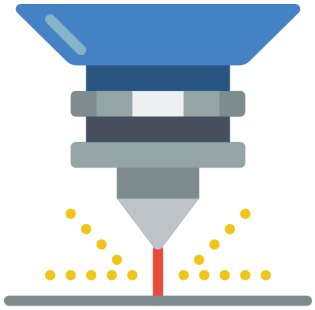
Create a 3D set design of your choice whether it's your favourite novel, movie or series. You can use any kind of materials (old cardboard/ plastic etc. that you no longer use!) Be creative! Look at a great example below!

Design Technology

Research five mechanism types and find an everyday product it is used in.

If you could use any mechanism, design your dream sweet dispenser.

Write a step by step method on how to use a piece of machinery in the workshop safely and correctly.



Find an isometric drawing and attempt to sketch (freehand) it so that it is double in size. Add thick and thin lines. Render towards a light source.

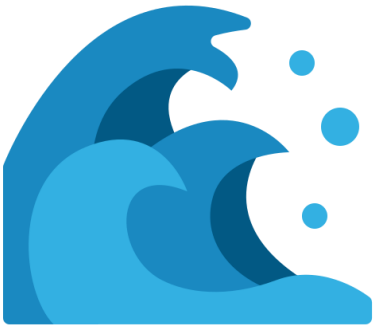
Complete a task of your choosing to wow your teacher with your interests and understanding

What is the definition of CAD & CAM?

Research and give a few examples of CAD and CAM.

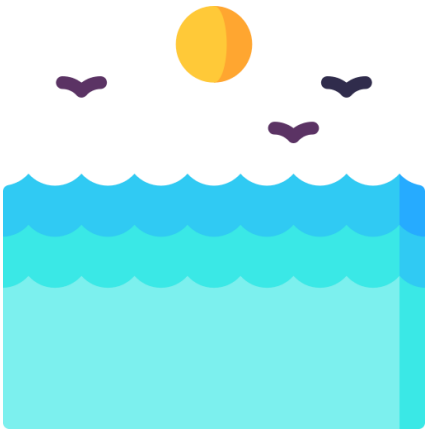
English

Research the true story of what happened to the men and boys who got abandoned on the sea stack off St Kilda



Write a poem about being a bird hunter on a sea stack

Design a book cover for Where the World Ends



Carry some research out into dystopian fiction, make a list of books and authors that write in this genre

Design a book cover for a dystopian book

Write your opening to a dystopian novel

Draw a map of the new world and include the landmarks that have been mentioned so far

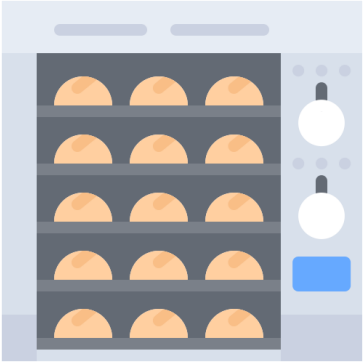
Food Technology

Compulsory: Buy and bring in ingredients for their practical lessons.

Develop a presentation that could be shown to students to explain health, safety, and hygiene considerations that could be made throughout a practical lesson.

For one of the recipes you have made, develop a storyboard to show the step-by-step method.

Research 5 pieces of food manufacturing equipment that would be used in the food industry



Keep a food diary to record what you eat in one day and analyse it against the Eatwell Plate. Then write an eating plan you could follow to make your diet healthier.

For one of the recipes you have made at school, suggest 5 ways it could be modified to make it healthier, considering the 5 food groups.

GEOGRAPHY

URBANISATION INFOGRAPHIC/POSTER

Design an infographic that visually explains the patterns and challenges of urbanisation in Brazil. Include statistics on urban population growth, highlight major urban centres, and illustrate the connection between urbanisation and environmental issues (e.g., deforestation, pollution) and crime (e.g., informal settlements, resource scarcity).

MAKE A CLIMATE GEOGRAPHY PODCAST

Record a short podcast episode (3-5 minutes) discussing the major climate zones of Brazil and how Brazil's diverse physical geography (e.g., Amazon Basin, Brazilian Highlands) influences these climates. Include examples of specific geographic features and their impact on temperature, rainfall, and vegetation.

LIVING IN A FAVELA

Write a report, make a video or a diary on what it is like to live in one of Brazil's favelas. Add photos, maps and any other illustrations to support your research.

Ensure your work is visually engaging and clearly communicates the challenges.

COMIC STRIP ON RAINFOREST MANAGEMENT

Develop a comic strip that illustrates environmental threats and opportunities in the Amazon. Your comic should have at least four panels and include dialogue or narration. Ensure your comic is visually engaging and clearly communicates the issues in the Amazon and how the rainforest can be sustainably managed.

BIOME DIORAMA

Create a diorama (model) representing one of Brazil's major biomes (Amazon rainforest, Cerrado, Pantanal, Caatinga, Atlantic Forest, or Pampas). Include key physical geography features, typical climate characteristics, and examples of plant and animal life.

MAPPING BRAZIL'S INTERCONNECTIONS

Create a detailed map of Brazil that visually represents the connections between its physical geography, climate zones, major ecosystems, and urban centers. Use different colors, symbols, and labels to show how these elements are related. For example, show how major rivers influence population distribution or how climate zones correspond to specific biomes. Include a key explaining your map symbols.

History

Listen to a historical podcast.

Practice learning basic geography for history using a map quiz or to test your knowledge with a game.

Watch a documentary or YouTube video on the topics you are studying.

Do some historical reading (fiction and non-fiction texts are available).

Visit a historical site (relevant locations suggested on Google Classroom).

There are a selection of activities uploaded to the History Google Classroom which can be chosen at any point.

MATHS

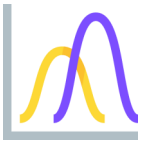
Complete a task of your choosing to wow your teacher with your interests and understanding.

COMING SOON

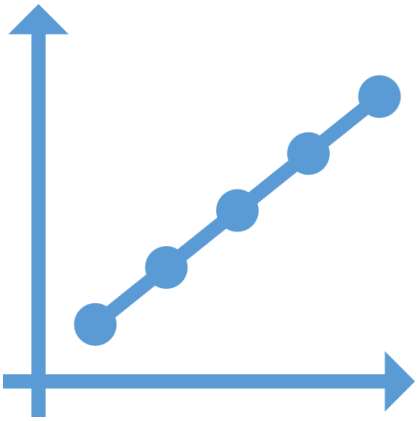
SPARX Maths

Problem solving using Fractions:
https://nrich.maths.org/problems/andys-marbles
Have an attempt and explore the question the best you can. Solutions are there to use for help.

Use desmos graphing calculator to investigate straight line graphs
https://www.desmos.com/calculator
Can you make a curve? What do you notice?
You may want to set up an account to show your work



Use Video to recap gradients y= mx + c
https://vimeo.com/474984412
Make jottings if need be.



Maths Challenge (UKMT)
Mark your answers with the following link

Questions:
https://ukmt.org.uk/free-past-papers/junior-mathematical-challenge-2016
Solutions:
https://ukmt.org.uk/competition-papers/jsf/jet-engine:free-past-papers/tax/challenge-type:67/

Music

Music Elements

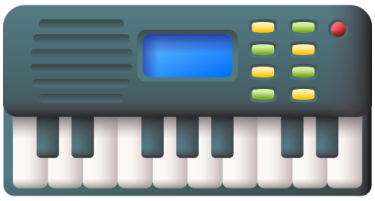
Learn what each letter of the mnemonic
MAD T SHIRT means.
There is a topic for Musical Elements on your Google Classroom

Musical Elements

Learn 2-3 words and definitions for 3 letters of the mnemonic
MAD T SHIRT means.
There is a topic for Musical Elements on your Google Classroom

Keyboard Skills

On Musicca work through the Note on the Piano exercises https://www.musicca.com/exercises/notes



Music Reading

On Musicca work through the Treble Clef exercises https://www.musicca.com/exercises/notes

Electronic Music

Visit the BBC Bitesize website for Electronic Music
https://www.bbc.co.uk/bitesize/topics/zm4ht39/articles/zd9wd6f
Use Charanga to compose your house dance beat

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RE

BRONZE

Create a piece of artwork to demonstrate the story of Adam and Eve. This could be one drawing/painting or a storyboard.

SILVER

Create a flowchart, with images and information to explain the Story of Job. Story linked here: The Book of Job: A Brief Summary

GOLD

Write a script about a conversation between a Christian missionary worker and an atheist. This script should show the missionary explaining why they share their faith and link to The Great Commission.

PLATINUM

Analyse and research the pros and cons of early missionary works in history. Look into disease control and consider different cultural beliefs in history as part of the research. Produce a project, in any media to present your findings.

Complete a task of your choosing to wow your teacher with your interests and understanding.

Science

Find examples of the 7 nutrients in your home and use them to design a balanced meal.

Research how fireworks work and how the different colours/ sparkles are created.

Make a model of the Solar System.

Create a piece of art using seeds and/or leaves.

Research statistics about the dangers of fires. Use these to create a poster/leaflet

Create a travel advert/brochure for a planet of your choice