

Year 9 Homework Options Half Term 4

Please hand any Above and Beyond homework to Ms Green in B223 or Mr Taylor in B117

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

Maths: Above and Beyond Research Project: The Visual Proof of Pythagoras' Theorem. Use a visual apparatus to demonstrate Pythagoras' theorem. One example could be the use of lego. 17 Innovative Mathematics Projects that Inspire Students | by Ali

Option 1 Sparx Compulsory. Option 2 Sparx XP Boost. Option 3 Sparx Compulsory Work/XP Boost/Times Tables Extra.

Art:

Project 1 Photography and Textiles: Above and Beyond Take your own photograph of a person and stitch a geometric pattern into it, like Maurizio Anzeri OR Take your own photograph, cut it up and collage it like Del Zou.

Option 1 Create a collage inspired by Del Zou. Option 2 Stitch a parabolic curve being inspired by Maurizio Anzeri. Option 3 Draw a parabolic curve.

Project 2 Graphics and 3D: Above and Beyond Take at least five photographs of graffiti that appears in Newcastle, email your work to your class teacher.

Option 1 Create a paper collage of your name, use different types of paper, example: newspaper, magazines, old letters, coloured paper Option 2 Create a visual moodboard (images) of street art images Option 3 Draw your name in a graffiti style font.

Project 3 Art and Design: Above and Beyond Visit an art gallery and take a photo of yourself outside. Create a piece of work in response to your favourite piece in the show.

Option 1 Visit Tate.org and find out about an artwork that's new to you. Create a piece of work in response. Option 2 Visit Tate.org and find out about an artwork by an artist you've studied in school. Create a piece of work in response. Option 3 Write 100 words on an artist you've learnt about. What do you like about their work and why?

Music: Above and beyond: Attend a musical event at a local music venue such as The GlassHouse (formerly The Sage), NX Newcastle, O2 City Hall, The Cluny etc. Take a photo of yourself there and write a review of the experience.

Option 1: Create a song using 4 different chords and various samples through '[BandLab](#)'. Option 2: Create a 'Musical Heroes' poster for the 'Wall of Fame'. This should include information on how good the band/singers are and their Top 3 songs.

RE: Above and Beyond: Create a plan of 3 things that can help a student with the stress of exams.

Option 1- find a news story that shows someone/group of people facing adversity. Option 2- Create a poster about ways that religions can overcome adversity. Option 3- Create a profile sheet of an 'inspirational' person who has overcome adversity e.g. Rosa Parks.

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

Science: Cells Above and Beyond: Choose an organ and research 3 specialised cells found in that organ: • Draw a diagram of each and label it • Describe how it is adapted to its function in terms of its shape and any organelles.

Option 1 Microscopes leaflet: Compare light microscopes to electron microscopes. Option 2 Make a 3D model of a plant and animal cell to show the different structures in each. Can you add labels or a key to

explain what each does? Option 3 Create a cell revision poster showing a diagram of a cell, label all the organelles and add a sentence for what each does.

History: WW2 Above and Beyond: Take a picture with an artefact from WW2. E.g. Medal, uniform, ration book etc.

Option 1 Creatively present what you've learnt about WW2 from lessons and your own research. For example, a video blog or presentation. Option 2 Draw a mind map connecting the key events of WW2. E.g. D-Day, Pearl Harbour, Hiroshima etc. Option 3 Describe in over 100 words what life was like for children during WW2. E.g. Rationing, blackouts, the Blitz, Evacuation.

Technology: Metals Above and Beyond: Have your photograph taken in front of a well-known metal structure in Newcastle.

Option 1 Create a research page on metals, use colours and bold titles to make it look interesting. Include: types of metals, metal properties & product examples. Option 2 Write a list of metal products that you can find in and around your home. Do you think they could be replaced with any other material? If so explain why? Option 3 Create a list of the Top 10 things in the world made from metal. This is personal choice so you must explain what makes each one worthy of being in the 'Top 10'.

PE Above and Beyond: Every other day complete the following fitness challenge: 25 push ups, 25 sit ups, 25 burpees, 25 squats and a 60 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 15,000 steps every day for a week.

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

English: Frankenstein Above and Beyond: Write a poem which links to Frankenstein. 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 diary entry from the perspective of Frankenstein's Monster.

Geography: How does Geopolitics influence world affairs? Above and Beyond: Create a PPT presentation focusing on one Geopolitical conflict from History.

Option 1 Write a letter to a world leader to explain why war is not the best option to solve issues between countries. Option 2 Make a poster board of one Geopolitical event that is currently taking place. Option 3 Create a timeline showing the collapse of the USSR (Russia) to today's issues in Ukraine.

French: à l'horizon Above and Beyond: Find the top 10 French international brands. What do they do?

Option 1 Research why it's important to learn language and what careers it can lead to. 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.

Drama: 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.