

Year 9 Homework Options Half Term 2

Please hand your completed homework to your subject Teacher between the dates shown for each subject.

December 2nd to 6th - Maths, Art, Music, RE and Computer Studies

Maths	Art	Music	RE	Computer Sci
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Maths

Above and beyond 100% compulsory completion and the XP boosts in Maths Sparx.

Option 1 90% + compulsory completion in Maths Sparx.

Art: Project 1 Photography and Textiles

Above and Beyond: Stitch a parabolic curve being inspired by Maurizio Anzeri.

Option 1 Draw a parabolic curve.

Music: Chord Tricks

Above and Beyond Attend a musical club for the full half term.

Option 1 Create a 'Wall of Fame' poster for your favourite artist. It must include information about their music score e.g. genre, instrumentation and top 3 songs.

RE: Persecution

Above and Beyond Design an art piece that shows the struggles of a Jewish person living in Nazi Germany during the 1930's.

Option 1 Find two examples of news stories about persecution in the world in modern days.

Computer Studies: Programming in Python

Above and Beyond: On paper or on the computer, carry out the program explained in Option 1 but the program should give the user 3 attempts to get the login details correct before locking.

Option 1 On paper or on the computer, write and comment a Python program for a login. The program should take in (as inputs) a login and password and check if they are correct.

December 9th to 13th - Science, History, Technology, PE and PSHE

Science	History	Technology	PE	PSHE
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Science: Chemical Reactions

Above and Beyond Make your own edible endothermic reaction • With adult help, make your own sherbet (<https://fun-science.org.uk/fun-science-how-to-make-sherbet/>) • Test the sherbet and note any observations. Does your mouth feel colder? • Research why sherbet feels cold when you eat it.

Option 1 Define what an endothermic and exothermic reaction are. Write some examples of each type of reaction

History: From Democracy to Nazism: The Rise of the Nazi Regime

Above and Beyond: Research into the development of culture in WEimar Germany and create a PowerPoint presentation on the topic. Include the development of Art, Literature, Theatre, Music and Film.

Option 1: Explain in no more than 200 words why Hitler came to power in 1932.

Technology: Types of Wood

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.

PE

Above and Beyond Attend an after-school club every week of the Half Term.

Option 1 Complete 15000 steps a day.

PSHE- Relationships

Above and Beyond - Write a short play / conversation between two people where one person is being pressured to do something they don't want to and must be assertive.

Option 1- Create a visual resource that explains and represents the importance of consent.

February 16th to 20th- English, Geography, French and Drama

English	Geography	French	Drama
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English: Romeo and Juliet

Above and Beyond Write your own story/play with a link to Romeo and Juliet – Perhaps it could be a sequel or prequel; it could feature romance; two rival families; or be a tragedy.

Option 1 Write some interview questions that you could ask one of the characters. 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!

Geography: Can we ever know enough about volcanoes and earthquakes to live safely?

Above and Beyond Create a model of a volcano – either a shield or composite!

Option 1 Create a poster showing how prepare for a earthquake.

French: Ma vie sociale d'ado

Above and Beyond Change the language setting on your phone to French for a week.

Option 1: Draw a mindmap illustrating what you have been learning this half term.

Drama: Introduction to Pantomime

Above and Beyond Attend a pantomime taking a photograph of you at the theatre.

Option 1 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.