

Year 7 Homework Spring term 1, 2016

Instructions

Date set week beginning: Monday 16th January 2017.

- You must complete homework every night and record what you do in your Academy planner. It is recommended that you spend about half an hour on each assignment each week.
- Please read the deadline instructions carefully as this will tell you how the work is to be handed in, spread your workload out over this time.
- Your **Form Tutor** will discuss how you are getting on with your projects in your tutor time.
- Your **Subject teacher** will also make sure that they discuss the project set in your lessons and to answer any questions you may have.
- Be creative – you decide on how you present your work for each subject. You may decide to design and make something, create a piece of giant ground art and take photographs or create a short film. Your work may not necessarily have to be in a written or poster format. **Let's see where your learning takes you!**
- In addition to the **English** 'Big Question' homework, English will also set weekly spellings for you to learn. **Mathematics** will also set arithmetic problems for you to solve.
- In **French** you will receive weekly spellings and vocabulary to learn, instead of a 'Big Question' homework.
- Students who do not complete the work by this deadline will receive a sanction.
- **If you misplace this booklet a new copy can be printed from our website or learning platform.**

Subject	Head of Department	Parent / Carer Signature	Parent / Carer Comment: Did your child find the work easy/hard? Did they complete it independently or with support? Did they enjoy the tasks?
English	Mr Day		
Mathematics	Mrs Sahota		
Science	Miss Brown		
Technology	Mr McCulloch		
Art	Mr McCulloch		
Citizenship	Mr Rowe		
Computing	Mr Kalair		
Drama	Mr Paskin		
Geography	Ms Allsopp		
History	Ms Allsopp		
Music	Mr Paskin		
Physical Education	Mr Paskin		
Religious Education	Ms Allsopp		

Information for students on how to present your work

Don't forget about Language for Learning!

Each task will include your ability to:

- Present your work neatly and appropriately.
- Use standard English.
- Write in properly punctuate, full sentences.
- Write in different styles to adapt your writing for different audiences and purposes.

Suggested activities that you could choose to present your responses to the 'Big Question'

You could decide to base your response to each 'Big Question' by producing / using:

- A Design and Make piece.
- A piece of Art work.
- Maths related work.
- Science related work.
- Media and ICT.
- A performance piece.
- A demonstration.
- Paper based work.

English	
<p>Homework Instructions: find out about favourite books from a range of readers of different ages.</p>	<p><u>Big Question:</u> What are the most popular books that people have read?</p> <p><u>Suggested possible tasks:</u> Select 5 people that you know well and find out about their favourite books of all time with their reasons for their choice. Design a table or grid to record the responses: your teacher may be able to suggest a suitable format. Make sure that you record at least one reason for the choice. Extension task: select one of the books that has been put forward and read it for yourself. Do you agree that it is a wonderful book?</p>
<p>Language for Learning skills: recording and presenting work effectively; asking questions; developing reading habit.</p>	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Proof reading and editing; developing independent reading. <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Summarising and recording effectively.
<p>Deadline:</p>	<p>To be completed by Monday 13th February 2017</p>

Mathematics	
Homework Instructions:	<p><u>Big Question</u> What is the Fibonacci sequence and where can it be found?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • What is the Fibonacci sequence and how is it created? • Write down the first 15 numbers in the Fibonacci sequence • Look at every 3rd number, what do you notice? • Look at every fourth number, what is it divisible by? • Look at every fifth number, what is it divisible by? • a) Add up the first five Fibonacci numbers. Compare your answer with the 7th. • b) Add up the first 10 Fibonacci numbers. Compare your answer with the 12th. • c) Add up the first fifteen Fibonacci numbers. By looking at your answers for a and b can you work out the 17th? • It's possible to make different Fibonacci sequences by using different starting numbers. Copy and complete these sequences. <ul style="list-style-type: none"> ○ 2, 2, 4, 6, 10, __, __, __ ○ 0, 4, 4, 8, __, __, __ ○ 6, __, 8, __, 18, __ ○ __, 5, __, 11, __, __ • Create your own Fibonacci Sequence • Investigate who Leonardo Fibonacci was and Mathematical discoveries he has made (including Fibonacci sequences found in nature – include pictures and explanations. • You may present this in a booklet or a PowerPoint.
Language for Learning skills:	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Researching from a variety of sources. • Selecting relevant information. • Reading for meaning. <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Writing to inform and explain findings. • Using correct mathematical language.
Deadline:	To be completed by Monday 13th February 2017

	Science
Homework Instructions:	<p><u>Big Question</u> How are smart devices such as iPhones and iPads used and what impact have they had on the lives of different groups of people?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • Design a timeline of how these devices have changed over time and how each change has had an impact. • Write a report or PowerPoint explain how these devices are impacting a variety of jobs e.g. doctors, football coaches, military, police/forensics, engineers, I.T specialists, engineers, chefs/waitresses, teachers, shop assistants, managers, artists, journalists etc. • Create a poster explaining how the mobile phone has developed over time and how the way people use it has changed over time. • For further guidance, please refer to the key concept: Applications & Implications of Science individual learning ladder as this homework will be assessed against this.
Language for Learning skills:	<p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Informative writing <p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Researching
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	Technology
Homework Instructions:	<p><u>Big Question</u> How do designers create innovative ideas?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • Research into the word ‘innovation’ and gather examples of innovative ideas and product examples. • Present your top innovative ideas of all time and justify why you think they are innovative. • Research into what inspires designers to come up with innovative ideas? What do they research? You may also want to look into bio mimicry. Use examples of products that are innovative from direct use of research. • Research and present the work of a designer/chef that has been innovative in their work. • Do your own research and redesign an everyday product that is innovative, explain, justify and evaluate how it is innovative. • Design a completely new product that is innovative and addresses a current problem that exists. Study your surroundings to identify an opportunity for an opportunity.
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Research. • Understanding of key terms. <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Writing to inform, explain, justify and evaluate thinking.
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	Art
Homework Instructions:	<p><u>Big Question</u> How can your art be influenced by organic forms? Take photographs of a 5 of organic forms. Produce your own art work based on each photograph. Make sure you look carefully at the shape of each object and add tone. You must experiment using a range of Art media and a range of mark making.</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • Choose 5 organic forms. Position and photograph them. • Produce your own interpretation of the objects in a range of media such as: <ul style="list-style-type: none"> • Pencil • Biro • Collage • Paint • Felt tip
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Researching the definition of an organic form and examples of organic forms. <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • You can annotate each of your drawings to say what you think you did well and what you think you could improve.
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	Citizenship
Homework Instructions:	<p><u>Big Question</u> What are the houses of parliament and what happens in there?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • A collage /poster about the houses of parliament. • A power point presentation including video clips of the houses of parliament. • A simple guide to the houses of parliament.
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Researching from a variety of sources. • Selecting relevant information. <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Writing to inform/ explain/ describe. • Writing in full, properly punctuated sentences (If creating a booklet/ guide). • Spelling. • Writing in paragraphs (If creating a booklet / guide).
Deadline:	To be completed by Monday 13th February 2017

	Computing
Homework Instructions:	<p><u>Big Question</u> What is a computer virus?</p> <p><u>Suggested tasks</u></p> <ul style="list-style-type: none"> • What does a virus do? – Research 3 famous computer virus attacks and explain what happened. • How are viruses spread? • How can you get rid of a virus from your phone or computer? • Why are software updates important?
Language for Learning skills	<p><u>Reading Skills</u></p> <ul style="list-style-type: none"> • Research • Researching from a variety of sources. • Selecting relevant information <p><u>Writing Skills</u></p> <ul style="list-style-type: none"> • Writing to inform. • Spelling
Deadline:	To be completed by Monday 13th February 2017

	Drama
Homework Instructions:	<p><u>Big Question</u> How can you tell an engaging story?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • A poster about what makes an engaging story • A PowerPoint presentation including examples of engaging storytelling • A 'how-to' guide to being an engaging storyteller • Create your own story for performance, considering work completed in lesson which will ensure it is engaging!
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Researching from a variety of sources • Selecting relevant information <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Writing to inform/explain/describe • Writing in full, properly punctuated sentences (If creating a 'how-to' guide) • Spelling
Deadline:	To be completed by Monday 13th February 2017

Geography	
Homework Instructions:	<p><u>Big Question</u> What is your mental map of either the local area or Great Britain?</p> <p><u>Background information:</u> A mental map is one that you make and carry around in your head. Usually it is a sequence of images. It does not need to be accurate but needs to show what is important to you e.g. short cuts, places you have fun and paths you use.</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • Draw a mental map of your local area e.g. play areas, shops, school(s), housing. • Draw a mental map of Great Britain – showing areas that you have visited or know about.
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Read the following https://www.geolounge.com/mental-maps/ and http://nationalgeographic.org/standards/national-geography-standards/2/ <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Label places accurately – use capital letters at the start of the names of places. • Use a key
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History	
Homework Instructions:	<p><u>Big Question</u> What is the best cure for the plague?</p> <p><u>Suggested possible tasks</u></p> <ul style="list-style-type: none"> • Research some of the cures people used to use to protect and cure themselves from the Black Death. • Design your own plague cure. Include information for the patient on what is in your cure and how to use your cure. WARNING! DO NOT TRY AT HOME!!
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Research skills <p><u>Writing Skills:</u></p> <ul style="list-style-type: none"> • Writing to inform the patient. Clearly written instructions.
Deadline:	To be completed by Monday 13th February 2017

Music	
Homework Instructions:	<p><u>Big Question</u> Use research and previous knowledge to answer the online questions.</p> <p>On the internet go to https://www.socrative.com/ Click on student login</p> <p>Room number: 8ccmuzj8n</p> <p>Complete the 3 online quizzes – each week a new quiz will be added.</p>
Language for Learning skills	<p><u>Reading Skills:</u></p> <ul style="list-style-type: none"> • Research into the various topics to answer the questions correctly.
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Physical Education	
Homework Instructions:	<p><u>Big Question</u> How many extra-curricular clubs can you attend during this half term? How can extra-curricular clubs benefit you?</p> <p><u>Task</u></p> <p>To attend as many different extra-curricular clubs as possible during this first half term of 2017.</p> <p>You will receive a postcard from your PE teacher. Each time you attend an extra-curricular club you must write on the postcard which club it was along with the date and ask the member of staff in charge of the club to sign it.</p> <p>You must:</p> <ul style="list-style-type: none"> • Attend a minimum of 7 clubs of the half term (one a week) • This can include lunchtime clubs and can be the same club each week. <p>Try:</p> <ul style="list-style-type: none"> • Try new activities you have not been to before. • Continue attending clubs that you have previously enjoyed. • Being active during lunchtimes at badminton and table tennis club in the sports hall.
Language for Learning skills:	
Deadline:	To be completed by Monday 13th February 2017

	Religious Education
Homework Instructions:	<p><u>Big Question</u> How can religious beliefs help change the lives of others?</p> <p>Religion guides people in their lives. They can use religious beliefs to help change and support the lives of others.</p> <p><u>Tasks:</u> Use the structure below to support you to create a booklet to answer the BIG question. For example Desmond Tutu was a bishop who campaigned for equality in South Africa. You are expected to be able to complete feedback sheets at certain points during the half term to assess your progress. Supportive structure and organisation</p> <p><u>Week one</u> Research and plan your work. E.g. Make sure you understand what morality means and find resources (Pictures images, explanations, examples) to complete your homework.</p> <p><u>Week three</u> Mid-term assess and booklet should started with a clear direction and what is needed to complete the task e.g. – include further explanation/key terms.</p> <p><u>Week five</u> Booklet should be near completion and final checks underway to ensure the BIG question is answered with relevant and clear examples and explanations.</p> <p><u>Week Seven</u> Hand in project which represents at least 3 hours of high quality work</p> <p>You must make sure you include. You must answer the BIG QUESTION in a concluding paragraph or statement.</p>
Language for Learning skills	<p><u>Reading Skills</u></p> <ul style="list-style-type: none"> • Researching Skills <p><u>Writing Skills</u></p> <ul style="list-style-type: none"> • Writing to inform and explain. • Paragraphs.
Deadline:	To be completed by Monday 13th February 2017

