



# Year 9 Homework Information Booklet

*For students and parents*

## **Key information about the 'Tic Tac Toe' system**

### **Aims**

- To develop independent learners
- To encourage students to manage their time effectively
- To enable students to be resourceful

### **How does Tic Tac Toe work?**

- Students choose three tasks to complete over the term in each subject
- The tasks should form a line that runs through the centre. The line can be vertical, horizontal or diagonal.
- Each pupil should complete a task labelled as 1, 2 and 3
- For each task that is chosen there is a due date
- In some cases this is denoted by 'w/c' which means week commencing. Students should then submit the work in their lesson that week.

### **How long should students spend?**

- Students should spend between 60 to 90 minutes on each task in Year 9.
- Students are encouraged to break up the tasks into research, producing and proof reading.

If you have any questions then please do not hesitate to ask, by contacting [Carla.Hyland@dovercourt.edu.sg](mailto:Carla.Hyland@dovercourt.edu.sg) .

<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>1. LO: To be able to understand the construction of chords, as well as augmented and diminished intervals.</p> <p><b>Task:</b> Use the information sheet ‘Chords – The Basics’ on Edmodo, as well as your experience of the chord activities done in class, to complete the given tasks on the task-sheet “Chord Construction”.</p> <p>Due date: w/c 02/10/17</p> <p><b>Top Tip:</b> Have a keyboard on hand (or a virtual keyboard on any device) as you answer each question. This will help you visualise your answers more clearly.</p>	<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>1. LO: To be able to understand the construction of chords, as well as augmented and diminished intervals.</p> <p><b>Task:</b> Use the information sheet ‘Chords – The Basics’ on Edmodo, as well as your experience of the chord activities done in class, to complete the given tasks on the task-sheet “Chord Construction”.</p> <p>Due date: w/c 02/10/17</p> <p><b>Top Tip:</b> Have a keyboard on hand (or a virtual keyboard on any device) as you answer each question. This will help you visualise your answers more clearly.</p>	<p style="text-align: center;"><b><u>VISUAL ARTS</u></b></p> <p>2. LO: To learn how to look at objects that are in front of you and not just draw what’s in your head.</p> <p><b>Task:</b> Collect 3 or 4 objects from your house/your bedroom/outside. Arrange these into an interesting <u>composition</u>. Take a photo, which you can stick next to your final drawing. Using a piece of A4 paper draw the composition using line and tone.</p> <p>Due date: w/c 13/11/17</p> <p>Top Tip: Presentation is very important within this subject- Please take care of your work when you are bringing it into school.</p>
<p style="text-align: center;"><b><u>MUSIC</u></b></p> <p>1. LO: To be able to understand the construction of chords, as well as augmented and diminished intervals.</p> <p><b>Task:</b> Use the information sheet ‘Chords – The Basics’ on Edmodo, as well as your experience of the chord activities done in class, to complete the given tasks on the task-sheet “Chord Construction”.</p> <p>Due date: w/c 02/10/17</p> <p><b>Top Tip:</b> Have a keyboard on hand (or a virtual keyboard on any device) as you answer each question. This will help you visualise your answers more clearly.</p>	<p style="text-align: center;"><b><u>VISUAL ARTS</u></b></p> <p>3. LO: To explore other Artists and be able to explain my own opinion.</p> <p><b>Task:</b> To create an ‘Artist Study’ on any piece of work by the artist Chiharu Shiota</p> <p>Due date: w/c 11/12/17</p> <p>Top tip: Visit the year 8 Art Edmodo page to understand what is an Artist study and directions on how to present this.</p>	<p style="text-align: center;"><b><u>VISUAL ARTS</u></b></p> <p>2. LO: To visit an Art gallery or museum.</p> <p><b>Task:</b> Walk around the Art gallery and museum and choose a piece of work that you LOVE. Take a photo of this (remember don’t use a flash!) and present this alongside a paragraph explaining your decision.</p> <p>Due date: w/c 13/11/17</p> <p>Top Tip: Try to visit a different museum or gallery if you completed this task last year.</p>
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<p>1. LO: To learn about general workshop safety.  <i>Task: Complete "General Workshop Safety" using OnGuard training</i></p> <p><a href="https://tinyurl.com/yde22l3o">https://tinyurl.com/yde22l3o</a></p> <ul style="list-style-type: none"> <li>Detailed login instructions are on Edmodo.</li> </ul> <p><i>The login format is your last name, then first name i.e. "LastnameFirstname". (no spaces, but use capitals)</i></p> <p><i>First password is "onguard"</i></p> <p>Due date: w/c 25/09/17                  Top Tip: ABC – Always be careful!</p>	<p>1. LO: To learn about general workshop safety.  <i>Task: Complete "General Workshop Safety" using OnGuard training</i></p> <p><a href="https://tinyurl.com/yde22l3o">https://tinyurl.com/yde22l3o</a></p> <ul style="list-style-type: none"> <li>Detailed login instructions are on Edmodo.</li> </ul> <p><i>The login format is your last name, then first name i.e. "LastnameFirstname". (no spaces, but use capitals)</i></p> <p><i>First password is "onguard"</i></p> <p>Due date: w/c 25/09/17                  Top Tip: ABC – Always be careful!</p>	<p>2. LO: <i>Learn the basics of computer science and internet safety. At the end of the course, create your very own game or story you can share.</i></p> <p><i>Task: Complete Accelerate Course on code.org Sections 1 - 10</i></p> <p><i>Pupils have been given login cards with the website address and a picture password to complete their work</i></p> <p>Due date: w/c 06/11/17                  Top Tip: Press the more button at the top of the page to see your overall progress.</p>
<p>1. LO: To learn about general workshop safety.  <i>Task: Complete "General Workshop Safety" using OnGuard training</i></p> <p><a href="https://tinyurl.com/yde22l3o">https://tinyurl.com/yde22l3o</a></p> <ul style="list-style-type: none"> <li>Detailed login instructions are on Edmodo.</li> </ul> <p><i>The login format is your last name, then first name i.e. "LastnameFirstname". (no spaces, but use capitals)</i></p> <p><i>First password is "onguard"</i></p> <p>Due date: w/c 25/09/17                  Top Tip: ABC – Always be careful!</p>	<p>3. LO: To learn about general workshop safety.  <i>Task: Complete "Woodworking Handtools" using OnGuard training</i></p> <p><a href="https://tinyurl.com/yde22l3o">https://tinyurl.com/yde22l3o</a></p> <ul style="list-style-type: none"> <li>Detailed login instructions are on Edmodo.</li> </ul> <p><i>The login format is your last name, then first name i.e. "LastnameFirstname". (no spaces, but use capitals)</i></p> <p><i>First password is "onguard"</i></p> <p>Due date: w/c 04/12/17                  Top Tip: ABC – Always be careful!</p>	<p>2. LO: <i>Learn the basics of computer science and internet safety. At the end of the course, create your very own game or story you can share.</i></p> <p><i>Task: Complete Accelerate Course on code.org Sections 1 - 10</i></p> <p><i>Pupils have been given login cards with the website address and a picture password to complete their work</i></p> <p>Due date: w/c 06/11/17                  Top Tip: Press the more button at the top of the page to see your overall progress.</p>
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<p>1. LO: To be able to give written details about myself in French, using complex language</p> <p>Task: Écris entre 75 et 125 mots sur toi-même en français. Mentionne:</p> <ol style="list-style-type: none"> <li>1. ton nom</li> <li>2. ton âge</li> <li>3. ta date de naissance</li> <li>4. où tu habites</li> <li>5. ce que tu aimes</li> <li>6. ce que tu n'aimes pas</li> <li>7. donne quelques détails sur ta famille.</li> </ol> <p>Due date: first lesson w/c 02/10/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>1. LO: To be able to write responses to questions about someone else, using the present tense</p> <p>Task: Choisis un(e) ami(e) ou une personne de ta famille et réponds à ces questions (75-125 mots):</p> <ol style="list-style-type: none"> <li>1. Qu'est-ce qu'il/elle aime comme sports?</li> <li>2. Qu'est-ce qu'il/ elle mange le matin?</li> <li>3. Qu'est-ce qu'il/elle regarde comme films?</li> <li>4. Qu'est-ce qu'il/ elle écoute à la radio?</li> <li>5. Qu'est-ce qu'il/elle déteste?</li> </ol> <p>Due date: first lesson w/c 02/10/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>2. LO: To be able to create a video diary describing your hobbies and past-times, using complex language</p> <p>Task: Enregistres une vidéo entre 2 et 3 minutes où tu parles de ton week-end dernier.</p> <ol style="list-style-type: none"> <li>1. Dis ce que tu aimes faire comme passe-temps et pourquoi.</li> <li>2. Dis ce que tu n'aimes pas faire et pourquoi.</li> <li>3. Que vas-tu faire le weekend prochain?</li> </ol> <p>Due date: first lesson w/c 13/11/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>
<p>1. LO: To be able to give written details about your hobbies and past-times, using complex language</p> <p>Task: Écris 75-125 mots sur tes passe-temps. Essaie d'utiliser la langue complexe</p> <ol style="list-style-type: none"> <li>1. Dis ce que tu aimes faire comme passe-temps et pourquoi.</li> <li>2. Dis ce que tu n'aimes pas faire et pourquoi.</li> <li>3. Que vas-tu faire le weekend prochain?</li> </ol> <p>Due date: first lesson w/c 02/10/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>3. LO: To be able to write an extended piece about yourself and your lifestyle</p> <p>Task: Écris 125-175 mots sur toi-même, tes passe-temps et tes opinions</p> <ol style="list-style-type: none"> <li>1. Fais une introduction de toi-même</li> <li>2. Dis ce que tu aimes faire le weekend</li> <li>3. Dis ce que tu n'aimes pas faire le weekend et pourquoi</li> <li>4. Décris ce que tu as fait le weekend dernier</li> <li>5. Décris ce que tu vas faire le weekend prochain</li> </ol> <p>Due date: first lesson w/c 11/12/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>2. LO: To be able to create a video diary about what you did last weekend</p> <p>Task: Enregistres une vidéo entre 2 et 3 minutes où tu parles de ton week-end dernier. Mentionne:</p> <ol style="list-style-type: none"> <li>1. Ce que tu as fait le weekend dernier</li> <li>2. Avec qui</li> <li>3. Ton opinion</li> <li>4. Ce que tu vas faire le weekend prochain</li> </ol> <p>Due date: first lesson w/c 13/11/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>
<p>1. LO: To create a detailed presentation on your family and friends</p> <p>Task: Utilise PowerPoint et présente ta famille et tes amis à la classe, en français.</p> <p>Due date: first lesson w/c 02/10/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>2. LO: To be able to create a video diary, giving details about myself in French, using complex language</p> <p>Task: Enregistres une vidéo entre 2 et 3 minutes où tu parles de ton week-end dernier. Mentionne:</p> <ol style="list-style-type: none"> <li>1. ton nom</li> <li>2. ton âge</li> <li>3. ta date de naissance</li> <li>4. où tu habites</li> <li>5. ce que tu aimes</li> <li>6. ce que tu n'aimes pas</li> <li>7. donne quelques détails sur ta famille.</li> </ol> <p>Due date: first lesson w/c 13/11/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>	<p>2. LO: To be able to create a video diary, giving details about whether you get on with your family and friends, and why/why not</p> <p>Task: Enregistres une vidéo entre 2 et 3 minutes où tu parles de ta famille et tes amis :</p> <p>« Tu t'entends bien avec ta famille et tes amis ? »</p> <p>Due date: first lesson w/c 13/11/17</p> <p>Top Tip: Use connectives, effective narration, opinions and a variety of vocabulary in your work.</p>

<p>1. LO: To be able to describe the reasons for the gap between LEDC and MEDC countries.</p> <p><i>Task: Create a cartoon strip showing the causes for the development gap.</i>  <i>War</i>  <i>Colonisation</i>  <i>Natural Disasters</i></p> <p>Due date:            9D: 12/09/17            9C: 13/09/17</p> <p>Top Tip: To create a good cartoon strip you need to include clear information that teaches the reader. The images/designs must be of high quality and relevant to the information being shared.</p>	<p>1. LO: To be able to show my understanding of the development gap between LEDC and MEDC countries.</p> <p><i>Task: Design a range of clothes that help promote the knowledge of a development gap between countries.</i>  <i>Add clear annotations to your designs to show how you have done this.</i></p> <p>Due date:            9D: 12/09/17            9C: 13/09/17</p> <p>Top Tip: Think about designs that all people could understand. Research tee-shirts that pass on a message for other campaigns, what have they done to promote their ideas and ideologies?</p>	<p>2. To be able to explain how people have adapted to living in a cold climate</p> <p><i>Task: Complete both a and b.</i></p> <p>a) <i>Write a set of questions you have for how someone lives in the arctic Inuit community.</i></p> <p>b) <i>Create a script for a 'mock' interview with someone from the community.</i></p> <p>Due date:            9D:10/10/17            9C: 11/10/17</p> <p>Top Tip: Think about using the five 'W's as a starting point. Make these more difficult if you feel it is not detailed enough.</p>
<p>1. LO: To be able to explain the impact of development on a community.</p> <p><i>Task: Imagine you are in a village with no electricity supply, how would your daily routine look?</i></p> <p><i>Write a diary entry for</i></p> <p>a. <i>the day before your village got electricity</i></p> <p>b. <i>one month after your village got electricity- what has changed?</i></p> <p>Due date:            9D: 12/09/17            9C: 13/09/17</p> <p>Top Tip: Before you start, brainstorm some ideas of life before and life after electricity and remember that this is expected to be a number of paragraphs in length using a clear 'point, explain, expand' format.</p>	<p>3. LO: To be able to evaluate ways people can adapt to their environments.</p> <p><i>Task: Design a new Eco city. The city can be adapted for either a rainforest or a desert environment.</i></p> <ul style="list-style-type: none"> <li><i>You need to come up with the problems found in that location and the solutions you come up with.</i></li> <li><i>Explain each feature clearly and how it makes it environmentally friendly.</i></li> </ul> <p>Due date:            9D: 21/11/17            9C: 22/11/17</p> <p>Top Tip: Create a spider diagram showing the problems first, extend this to think about a range of solutions for each one. Think how you could incorporate these into your design.</p>	<p>2. LO: To be able to describe the distribution of rich and poor communities.</p> <p><i>Task: Create a map showing the poorest countries from the richest.</i></p> <p><i>Include the development indicator you have used to create it and its source. Describe the distribution- are the poor countries in a similar area?</i></p> <p>Due date:            9D:10/10/17            9C: 11/10/17</p> <p>Top Tip: Research a number of different development indicators before making a final decision. Which one has the clearest data set? Which data set is easiest to use?</p>
<p>1. LO: To be able to explain the impact of colonial powers on poorer countries.</p> <p><i>Task: You have been sent back in time. Your job is to write a message to countries who believe developing colonies in Africa is a good thing. You need to write a message <u>convincing them to change their minds by discussing the problems this has brought.</u></i></p> <p>Due date:            9D: 12/09/17            9C: 13/09/17</p> <p>Top Tip: Can you empathise with people? Shower thought your feelings before you start this.</p>	<p>2. LO: To be able to explain the problems facing people in desert environments and how they adapt to difficulties.</p> <p><i>Task: You have been asked to survive in a desert environment for a week. What difficulties might you face? What do you need to pack to ensure you survive?</i></p> <p>Due date:            9D:10/10/17            9C: 11/10/17</p> <p>Top Tip: List all the problems living that area first AND clearly explain what you would take to survive.</p>	<p>2. LO: To be able to research and explain how a city has successfully adapted to an extreme environment.</p> <p><i>Task: How have cities adapted to extreme climates? Research Dubai and find out the problems and solutions they have come up with to be able to hold a large population in a desert environment. Write as a report/essay.</i></p> <p>Due date:            9D:10/10/17            9C: 11/10/17</p> <p>Top Tip: Use the essay planning sheet provided in this pack. Also research the problems of other 'weather' in Dubai.</p>

<p>1.LO: To demonstrate detailed knowledge of the assassination of Archduke Franz Ferdinand</p> <p><i>Task: Write a <u>police report</u> about the events in Sarajevo on 28<sup>th</sup> June 1914.</i></p> <p>Due date: 18.9.2017</p> <p>Top Tip: Ask your teacher for a template</p>	<p>1. LO: To use enquiry skills to develop knowledge of trench life</p> <p><i>Task: Imagine you are a young soldier sent to fight on the Western Front. Describe your experiences in the trenches in a letter to your parents.</i></p> <p>Due date: 18.9.2017</p> <p>Top Tip: Use QuADS sheet to guide research process</p>	<p>2. LO: To evaluate the utility of a source</p> <p><i>Task: Find a David Low cartoon (1919-1939). Answer 'How useful is this source to historians studying the inter-war period?'</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: Consider the Nature, Origin &amp; Purpose , value &amp; limitations</p>
<p>1. LO: Demonstrate understanding of the causes of World War I</p> <p><i>Task: Create a <u>mind map</u> showing why war broke out in Europe in 1914.</i></p> <p>Due date: 18.9.2017</p> <p>Top Tip: Follow guidance in how to do a mind map in the homework guide</p>	<p>3. LO: To write a persuasive speech about the ToV</p> <p><i>Task: Write a speech 'Was the Treaty of Versailles fair?'</i></p> <p>Due date: 30.10.2017</p> <p>Top Tip: Use PERSUADES acronym to make speech persuasive (See teacher) See teacher for success criteria.</p>	<p>2. LO: To use enquiry skills to develop knowledge of life in Nazi Germany</p> <p><i>Task: Research <u>Women in Nazi Germany</u> and <u>create an advice column</u> for a women's magazine entitled 'How to be a good Nazi wife'.</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: Try and use a range of websites to add to your research (<a href="http://www.historylearningsite.co.uk">www.historylearningsite.co.uk</a> or <a href="http://www.bbc.co.uk">www.bbc.co.uk</a> &gt; ... &gt; Modern World History &gt; Germany 1918 – 1939)</p>
<p>1. LO: To use enquiry skills to gain knowledge of weapons of World War I</p> <p><i>Task: Create a poster to show at least 3 new weapons.</i></p> <p>Due date: 18.9.2017</p> <p>Top Tip: Use a QuADS sheet to guide research process</p>	<p>2. LO: To develop knowledge of how Hitler consolidated his power by 1934</p> <p><i>Task: Create either a flow chart or a timeline to the events between Jan 1933, when Hitler was appointed Chancellor, and 1934 when he declared himself Fuhrer.</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: Try and use a range of websites to add to your research ( <a href="http://www.johndclare.net">www.johndclare.net</a> or <a href="http://www.bbc.co.uk">www.bbc.co.uk</a> &gt; ... &gt; Modern World History &gt; Germany 1918 – 1939)</p>	<p>2. LO: To demonstrate knowledge of how Hitler rose to power</p> <p><i>Task: Create a revision resource that will help you revise this topic.</i></p> <p><i>Challenge: Create a series of tests that can be used to test your knowledge</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: Reduce. Group. Use colour &amp; images alongside key words.</p> <p><a href="https://www.theguardian.com/teacher-network/teacher-blog/2014/may/05/top-ten-revision-resources-teachers">https://www.theguardian.com/teacher-network/teacher-blog/2014/may/05/top-ten-revision-resources-teachers</a></p>

<p><b>1. LO: To be able to say a paragraph from the learnt topics.</b></p> <p><i>Task: Prepare a speech in Chinese not exceeding 3 minutes. Provide information about 'Self-introduction'. Send your recordings to your Mandarin teacher.</i>  <a href="mailto:jonathan.leow@dovercourt.edu.sg">jonathan.leow@dovercourt.edu.sg</a></p> <p>Due date: 17.09.17</p> <p>Top Tip: If you need help, refer to the Youtube links as below:  <a href="https://www.youtube.com/watch?v=MCik9yII7o8">https://www.youtube.com/watch?v=MCik9yII7o8</a>  <a href="https://www.youtube.com/watch?v=WT e4_cC4Zxc">https://www.youtube.com/watch?v=WT e4_cC4Zxc</a></p>	<p><b>1. LO: To be able to recognise and revise the learnt characters and phrases.</b></p> <p><i>Task: You are required to complete the set task from Memrise.com.</i></p> <p>Due date: 17.09.17</p> <p>Top Tip: If you are not sure on how to sign up the account and group link, please refer to the instructional list from your folder or email to Mr. Leow to get the information.</p>	<p><b>3. LO: To be able to say a paragraph from the learnt topics.</b></p> <p><i>Task: Prepare a speech not exceeding 3 minutes in English about the introduction on Chinese Pinyin pronunciation. Please send your recordings to your Mandarin teacher.</i>  <a href="mailto:jonathan.leow@dovercourt.edu.sg">jonathan.leow@dovercourt.edu.sg</a></p> <p>Due date: 27.11.17</p> <p>Top Tip: Refer to the Youtube link as below if you need help:  <a href="https://www.youtube.com/watch?v=5Hjf1On7JIM">https://www.youtube.com/watch?v=5Hjf1On7JIM</a></p>
<p><b>1. LO: To be able to understand hero/ heroine in the Chinese history.</b></p> <p><i>Task: You are required to do a research on a legendary woman warrior Hua Mulan in Chinese history. Complete a PowerPoint with minimum 6 slides (max. 8 slides). Prepare a memo on hand that you are going to present in class.</i></p> <p>Due date: 17.09.17</p> <p>Top Tip: You could share more information about how Hua Mulan rewrote the gender stereotypes in the Chinese history.</p>	<p><b>2. LO: To be able to recognise and revise learnt characters and phrases.</b></p> <p><i>Task: You are invited to participate the League of Champions - Vocabexpress 2017 from 28<sup>th</sup> September to 4<sup>th</sup> October. You are required to earn a minimum of 250 points but you are welcome to complete more. Certificates will be given if you meet the requirement from the League.</i>  <a href="https://www.vocabexpress.com/co/schools/championships/">https://www.vocabexpress.com/co/schools/championships/</a></p> <p>Due date: 30.10.17</p> <p>Top Tip: You will be given the username and password in class. A briefing will be conducted during lessons soon.</p>	<p><b>3. LO: To be able to understand about Chinese popular people.</b></p> <p><i>Task: You are required to do a research on a famous Chinese actor and martial artist Bruce Lee. Complete a PowerPoint with minimum 6 slides (max. 8 slides). Prepare a memo on hand that you are going to present in class.</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: You could share more information about how Bruce Lee changed the world in Chinese Martial arts.</p>
<p><b>1. LO: To understand about a city in China</b></p> <p><i>Task: You are required to do a research on the famous city in Shanghai, China. Complete a PowerPoint with minimum 6 slides (max.8 slides). Prepare a memo on hand that you are going to present in class.</i></p> <p>Due date: 17.09.17</p> <p>Top Tip: You could share more information about the food and dining etiquette, arts, places of tourism and cultural activities etc.</p>	<p><b>3. LO: To be able to consolidate the learning in the areas of listening, speaking and reading.</b></p> <p><i>Task: You are required to complete the set task from Memrise.com.</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: If you are not sure on how to sign up the account and group link, please refer to the instructional list from your folder or email to Mr. Leow / Ms. Hey to get the information.</p>	<p><b>3. LO: To understand about a city in China.</b></p> <p><i>Task: You are required to do a research on the capital city of Beijing, China. Complete a PowerPoint with minimum 6 slides (max.8 slides). Prepare a memo on hand that you are going to present in class.</i></p> <p>Due date: 27.11.17</p> <p>Top Tip: You could share more information about the food and dining etiquette, arts, places of tourism and cultural activities etc.</p>

<p>1. LO: To understand the differences between sexual and asexual reproduction.</p> <p><i>Task: Organisms must reproduce in order to survive. Often organism will reproduce either by a sexual or asexual method. Research both forms of reproduction and produce an informative poster outlining the benefits and disadvantages for each method.</i></p> <p>Due date: w/c 25/09/17</p> <p>Top Tip: When carrying out your internet searches be careful to use safe and appropriate sources. Always keep a record of your sources to be checked.</p>	<p>1. LO: To describe the structure of DNA.</p> <p><i>Task: DNA (Deoxyribonucleic acid) is an incredible and ionic molecule. It took the genius of many 20<sup>th</sup> century scientists, including Watson and Crick to discover its actual amazing structure. Your task is to make a three-dimensional model of DNA.</i></p> <p>Due date: w/c 25/09/17</p> <p>Top Tip: Visit <a href="https://cdn.rcsb.org/pdb101/learn/resources/dna-model-2013_2.pdf">https://cdn.rcsb.org/pdb101/learn/resources/dna-model-2013_2.pdf</a> for some inspiration.</p>	<p>2. To describe the main events leading to our understanding of how DNA works.</p> <p><i>Task: Darwin's theory of evolution is the central dogma of modern biology. Even though he could describe how all known lifeforms first came about, he had no idea at all about DNA! Over the course of the 20<sup>th</sup> century a series of incredible scientists were responsible for the development of our understanding of DNA and how it works. Your task is to research the discovery of DNA and create a timeline.</i></p> <p>Due date: w/c 06/11/17</p> <p>Top Tip: Visit <a href="https://www.tes.com/lessons/a7uFXRhgKMp5Bg/timeline-examples">https://www.tes.com/lessons/a7uFXRhgKMp5Bg/timeline-examples</a> for some examples of timelines.</p>
<p>1. To describe the structure of pollinating flowers.</p> <p><i>Task: Acquire a specimen pollinating flower that you have permission to dissect (Remember to ask first!) The more colourful and beautiful the flower the better. Carefully dissect the specimen using tweezers onto a piece of white paper. Group the parts of the flower and stick onto the paper. Label and describe the function of each part of the flower. The more detail you add the better.</i></p> <p>Due date: w/c 25/09/17</p> <p>Top Tip: Visit <a href="https://www.youtube.com/watch?v=EueOBV6VHvc">https://www.youtube.com/watch?v=EueOBV6VHvc</a> for a flower dissection method.</p>	<p>3. To explain the emergence and effects of some genetic diseases.</p> <p><i>Task: Our understanding of genetic diseases (disorders) has vastly improved in recent years. Carry out a research project for a specific genetic disorder that interests you. Your finished project should be: eye-catching, informative, and accurate. Include the sources you have used. You will present your final projects to the class in lesson on a date specified by your teacher.</i></p> <p>Due date: w/c 04/12/17</p> <p>Top Tip: Visit <a href="https://www.genome.gov/10001204/specific-genetic-disorders/">https://www.genome.gov/10001204/specific-genetic-disorders/</a> for a comprehensive list of genetic diversity.</p>	<p>2. To explain how waves can transfer energy and information.</p> <p><i>Task: We live in an information age. Information can be sent thousands of kilometres per second without wires. Your task is to research how light waves and sound waves can be used to transmit information and create a table outlining the similarities and differences between these two different waves.</i></p> <p>Due date: w/c 06/11/17</p> <p>Top Tip: Tables should include clear column headings.</p>
<p>1. To understand that light travels and is reflected off mirrored surfaces.</p> <p><i>Task: Submariners have been exploiting the nature of light to spy at the water surface but stay hidden under the waves for over one hundred years, using the periscope! Your task is to build a homemade functioning periscope.</i></p> <p>Due date: w/c 25/09/17</p> <p>Top Tip: Visit <a href="http://m.wikihow.com/Make-a-Periscope">http://m.wikihow.com/Make-a-Periscope</a> for some inspiration and take care if using glass mirrors!</p>	<p>2. To explain the scientific basis of rainbows.</p> <p><i>Task: The rainbow is a beautiful and iconic light phenomenon. Your task is to find out what causes rainbows, why the same colour order appears each time and to check if there really is a pot of gold at the end of it! Present your findings as a colourful and informative scientific poster,</i></p> <p>Due date: w/c 06/11/17</p> <p>Top Tip: If you are a keen photographer, how about trying to take your very own snaps of a rainbow. What are the challenges involved?</p>	<p>2. To carry out a scientific study and present your findings appropriately.</p> <p><i>Task: Sound level is measured in decibels. There are lots of decibel meter apps available now on apple and android that you can download. Use such an app to carry out a sound level study. You could visit areas in your own home, the school or generally around Singapore and measure the sound levels. Present your results in a graphical form and include an explanation of your findings.</i></p> <p>Due date: w/c 06/11/17</p> <p>Top Tip: Take several readings in each area to calculate a mean result.</p>



## Additional notes about core subjects

### MATHEMATICS

- Students in Key Stage 3 will be set two pieces of homework per week.
- One piece will be set from *MyiMaths*, an online portal for which the students have personalised logins. These pieces will be marked online and their results logged. The tasks can be done several times for more practice, as the tasks change each time.
- The second piece of homework will be written, and should take between 30 and 45 minutes. It will be marked by the teacher or by peers in class.

### ENGLISH

- Students in Key Stage 3 will be set two pieces of homework per week.
- One piece will be set in direct relation to the classwork, and should take a minimum of forty minutes.
- The other piece will be shorter and relate to key skills such as spelling, punctuation and grammar: for example, revising for a spelling test, correcting punctuation in a text etc.

### OVERVIEW OF DEADLINES FOR YEAR 9

	<b>Task 1</b>	<b>Task 2</b>	<b>Task 3</b>
Art + Music	w/c 02/10/17	w/c 13/11/17	w/c 11/12/17
D.T + Computing	w/c 25/09/17	w/c 06/11/17	w/c 04/12/17
French	w/c 02/10/17	w/c 13/11/17	w/c 11/12/17
Geography	w/c 11/09/17	w/c 09/10/17	w/c 20/11/17
History	w/c 18/09/17	w/c 30/10/17	w/c 27/11/17
Mandarin	w/c 17/09/17	w/c 30/10/17	w/c 27/11/17
Science	w/c 25/09/17	w/c 06/11/17	w/c 04/12/17