



# Year 8/9MG 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.
- Please note that English, Maths and Science homework is not done via TTT in Year 9

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

- Students should spend around 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) or the relevant subject teacher.

<p><b>1. LO: Understand the 6 R's of sustainability</b></p> <p><b>Task:</b> Define what is meant by the term sustainability and create a fact file on each, describing how they can be applied to create sustainable product design.</p> <p><b>Due date: w/c 18/02/2019</b></p> <p><b>Top Tip: Use the sustainability help sheet on Google classroom</b></p> <p><b>CODE: f3f9vl</b></p>	<p><b>1. LO: To present materials and their properties</b></p> <p><b>Task:</b> Produced a detailed A3 classroom poster explaining the difference between; ferrous metals, non ferrous metals, alloys, thermoplastics, thermosetting plastics, hardwoods, softwoods and manufactured boards.</p> <p><b>Due date: w/c 18/02/2019</b></p> <p><b>Top Tip - Research these materials online to develop Design &amp; Technology materials bank.</b></p>	<p><b>2. LO: To research SMART materials and the design opportunities they create.</b></p> <p><b>Task:</b> Define what is meant by the term SMART materials and list how and where they can be used. Include images. (A4 page max)</p> <p><b>Due Date: w/c 04/03/2019</b></p> <p><b>Top Tip - research SMART materials online such as polymorph, electro active polymers, shape memory polymers</b></p>
<p><b>1. LO: To understand different polymer manufacturing processes.</b></p> <p><b>Task:</b> Create an infographic or video detailing the difference between Thermosetting and Thermoforming plastics. In your infographic/video describe the processes of:</p> <ol style="list-style-type: none"> <li>1. Vacuum forming</li> <li>2. Blow Molding</li> <li>3. Extrusion</li> <li>4. Injection molding</li> </ol> <p><b>Due date: w/c 18/02/2019</b> <b>Top Tip: Video example on google classroom. CODE f3f9vl</b></p>	<p><b>3. LO: To gain better understanding of Art History</b></p> <p><b>Task:</b> Create an artist research Page on a prominent abstract artist (Kandinsky, Rothko, Kruger, Christian Bottanski) You may draw an image and label it with information about the artist /painting.</p> <p><b>Due date: w/c 25/03/2019</b></p> <p><b>Top Tip: You can use the Google help document on the classroom drive for guidance.</b></p>	<p><b>2. LO: To consider setting when developing a design</b></p> <p><b>Task:</b> Create two 3d design ideas for a new Bluetooth speaker system that would complement a specific style of home interior.</p> <p><b>Due date: w/c 04/03/2019</b></p> <p><b>Top Tip: First identify 2 different styles of interior design (either online or at home). Your wireless speaker system design must be infitting with the design of the room</b></p>
<p><b>1. LO: To be able to correctly identify and describe properties of materials</b></p> <p><b>Task:</b> Create an A4 poster which describes the following properties of materials:</p> <ol style="list-style-type: none"> <li>1. Strength</li> <li>2. Elasticity</li> <li>3. Hardness</li> <li>4. Toughness</li> <li>5. Ductility</li> <li>6. Malleability</li> </ol> <p>Provide examples of materials which have these properties and give examples of when these properties are useful</p> <p><b>Due date: w/c 18/02/2019</b> <b>Top Tip: Research each property individually.</b></p>	<p><b>2. LO: To understand the term "Planned Obsolescence"</b></p> <p><b>Task:</b> Produce a one page research essay including supporting images on what is meant by planned obsolescence and how it impacts the design of products.</p> <p><b>Due date: w/c 04/03/2019</b></p> <p><b>Top Tip: Your essay should include examples of products examples. Is planned obsolescence always bad? Try and provide a balanced argument.</b></p>	<p><b>2. LO: To evaluate an existing product.</b></p> <p><b>Task:</b> Find a product in your home that does not perform as you expect it or require it to. Create a unique and imaginative redesign in 3d and including detailed annotations explaining your changes.</p> <p><b>Due date: w/c 04/03/2019</b></p> <p><b>Top tip: You can choose something small and simple that you think could be improved. 1 A4 page only.</b></p>

<p><b>1. LO: To be able to describe the way we measure a hurricane.</b></p> <p><b>Task:</b> Create a detailed and informative poster showing the different levels of the Saffir-Simpson scale.</p> <ul style="list-style-type: none"> <li>Use a plain piece of paper, colouring pencils.</li> <li>Describe the impact of each level on a place using images and key words.</li> <li>Show how each level would impact a HIC/LIC country differently.</li> </ul> <p><b>Due date: 11/02/2019</b></p> <p><b>Top Tip:</b> Research the impact- would your poster look the same for an LEDC and MEDC or would it look different?</p>	<p><b>1. LO: To be able to explain how people prepare for a weather event.</b></p> <p><b>Task:</b> Create a 'Be Prepared' leaflet for American citizens living in areas prone to Hurricanes.</p> <p><b>Include:</b></p> <ul style="list-style-type: none"> <li>Background information (e.g. what is hurricane).</li> <li>What they should do to prevent damage to property.</li> <li>What they should do to survive.</li> </ul> <p><b>Due Date: 11/02/2019</b></p> <p><b>Top Tip:</b> Think about how you would display information sensibly. This has a wide target audience- from ages 12 to 80!</p>	<p><b>2. LO: To be able to explain the impact of climate change on ski resorts in Europe</b></p> <p><b>Task:</b> Create a 500 word report about your research into climate change on ski resorts.</p> <p><b>Include:</b></p> <ul style="list-style-type: none"> <li>Impact of retreating glaciers</li> <li>Problems with not enough snow</li> <li>Problems with unpredictability</li> <li>Think about the SEEP impacts</li> </ul> <p><b>Due date: 04/03/2019</b></p> <p><b>Top Tip:</b> Use sources of evidence within the work. Reference these at the end of the work.</p>
<p><b>1. LO: To be able to describe the impact of a cyclone on a population.</b></p> <p><b>Task:</b> Research and create a newspaper article about a recent Pacific cyclone (one which has hit Taiwan, Philippines, China or Japan in the last three years).</p> <ul style="list-style-type: none"> <li>Research the 5 'W's for the event</li> <li>Explain the SEEP (social, economic, environmental and political) impacts of the event on the population in the area.</li> <li>Use images and headlines where appropriate and use PEE paragraphs clearly.</li> </ul> <p><b>Due date: 11/02/2019</b></p> <p><b>Top tip:</b> Could you use 'quotes' and personal experiences of people to support your work?</p>	<p><b>3. LO: To be able to explain why people choose to live in volcanic regions.</b></p> <p><b>Task:</b> Research and create a report explaining why people choose to live in Iceland.</p> <ul style="list-style-type: none"> <li>Include a map to describe Iceland's location and key features (e.g. volcanoes and city locations).</li> <li>The benefits of living near volcanoes in Iceland. <b>PEE</b> paragraphs including references to <b>SEEP</b>.</li> <li>A conclusion summing up your main points and answering the question.</li> <li>Write neatly into your book.</li> </ul> <p><b>Due date: 25/03/2019</b></p> <p><b>Top Tip:</b> Could you incorporate maps and information from previous learning?</p>	<p><b>2. LO: To be able to show evidence of the link between human and physical geography in Europe.</b></p> <p><b>Task:</b> Research and create a presentation to explain how people use their landscape to make money in Europe (e.g. ski resorts in mountains).</p> <p><b>Due date: 04/03/2019</b></p> <p><b>Top Tip:</b> Include an introduction to 'set the scene' by thinking about what physical features are there and how these might help people living on the continent.</p>
<p><b>1. LO: To be able to describe the impact of a tornado on a population.</b></p> <p><b>Task:</b> Create a case study sheet for a <b>tornado</b> event.</p> <ul style="list-style-type: none"> <li>Research the 5 'W's for the event</li> <li>Explain the SEEP (social, economic, environmental and political) impacts of the event on the population in the area.</li> <li>Discuss how the area/government/population responded. .</li> </ul> <p><b>Due date: 11/02/2019</b></p> <p><b>Top Tip:</b> Could you use publishing software to produce a high-quality, professional piece of work</p>	<p><b>2. LO: To be able to describe the impact of earthquakes in Italy</b></p> <p><b>Task:</b> Create a newspaper article about one earthquake event in Italy in the last 10 years.</p> <ul style="list-style-type: none"> <li>Include the location</li> <li>Short term impacts</li> <li>Long term impacts</li> </ul> <p><b>Due date: 04/03/2019</b></p> <p><b>Top Tip:</b> Think about the 5 'W's in the planning stage of your work.</p>	<p><b>2. LO: To be able to describe the impact of flooding on a location in Europe.</b></p> <p><b>Task:</b> Using computer software, create an annotated map displaying the impact of a flood event along one river in European</p> <ul style="list-style-type: none"> <li>Use textboxes to annotate the map</li> <li>Use a reference section to link to the sources you have used.</li> </ul> <p><b>Due date: 04/03/2019</b></p> <p><b>Top Tip:</b> Plan out the work by writing the location and impacts in that location in a table first. Use this to populate your map.</p>

<p><b>1. LO: To use enquiry skills to gain knowledge of the fall of Singapore</b></p> <p>Task: Create a booklet on the Fall of Singapore. Think about how you will divide this booklet into clear sections.</p> <p>Due date: 18/02/2019</p> <p>Top tip: You could include images of significant areas to the fall of Singapore, such as the former Ford Factory. Use the 5 w's to help you write it. Include dates and events in your booklet.</p>	<p><b>1. LO: To use enquiry skills to develop knowledge of significant battles of the Second World War</b></p> <p>Task: Create a fact file of 4 significant battles of the Second World War.</p> <p>Due date: 18/02/2019</p> <p>Top Tip: You will need to think about the important questions to ask to drive your research. Remember to explain why it was significant.</p>	<p><b>2. LO: Explain, analyse and make judgments about historical events and periods.</b></p> <p>Task: Write a newspaper article about a key event during the Second World War. No longer than an A4 side.</p> <p>Challenge: Include primary sources as evidence in your article.</p> <p>Due date: 11/03/2019</p> <p>Top tip: This could be the discovery of a new colony, the first shipment of colonists, a key battle or a mutiny.</p>
<p><b>1. LO: To use enquiry skills to develop knowledge of life in Nazi Germany</b></p> <p>Task: Research about a opposition group to the Nazi's in Germany. You should include; Name of opposition group Why did they oppose the Nazis? Methods of opposition (What did they do?) How did the Nazis deal with them?</p> <p>Due date: 18/02/2019</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>)</p>	<p><b>3. LO: To use enquiry skills to develop knowledge of the Holocaust</b></p> <p>Task: Research 2 concentration/Death camps</p> <ul style="list-style-type: none"> <li>• When was it set up?</li> <li>• Where was it?</li> <li>• What was the journey like to the camp?</li> </ul> <p>What happened to people when they arrived?</p> <p>Due date: 01/04/2019</p> <p>Top tip: Give a full bibliography of the sources utilized.</p>	<p><b>2. LO: To explain, analyse and make judgments about historical events and periods.</b></p> <p>Task: To analyze a political cartoon.</p> <ul style="list-style-type: none"> <li>- Find a political cartoon on Hitler.</li> <li>- Annotate the image with what you see.</li> <li>- Explain the meaning of the cartoon with reference to the source</li> </ul> <p>Due Date: 11/03/2019</p> <p>Helpful hint: Look at examples on google of political cartoons (PUNCH, Spectator, Economist) Banksy and Guernica to get ideas.</p>
<p><b>1. LO: To use enquiry skills to develop knowledge of life in Nazi Germany</b></p> <p>Task: Create a diary for a child of your age living in Hitler's Germany.</p> <p>Challenge: Compare this to your life by writing about the similarities and differences</p> <p>Due date: 18/02/2019</p> <p>Top tip: Use descriptive and emotive words as this type of writing has a personal tone.</p>	<p><b>2. LO: To be able to communicate about the past.</b></p> <p>Task: Create a Poster on the differences between Fascism and Stalinism</p> <ul style="list-style-type: none"> <li>- Must include key differences.</li> <li>- Must include key individuals.</li> <li>- Must have images.</li> </ul> <p>Challenge: Outline the similarities between the systems.</p> <p>Due date: 11/03/2019</p> <p>Top Tip: Mention more than one benefit.</p>	<p><b>2. LO: Explain, analyse and make judgments about historical events and periods.</b></p> <p>Task: Write a newspaper obituary for a key person in the Second World War.</p> <p>Challenge: Include primary sources as evidence in your article.</p> <p>Due date: 11/03/2019</p> <p>Top tip: This could an explorer/ soldier/freedom fighter/ writer...</p>

<p><b>1. LO: COMPUTING</b> To develop your research, analysis and essay writing skills.</p> <p><b>Task:</b> Is Society Becoming too Dependent on Computers? (Minimum 750 words)</p> <p><b>Due date:</b> 11/02/2019</p> <p><b>Top Tip:</b> Remember to state all the sources you used. Submit the Google Slide/Doc document on Google classroom under the assignment section.</p>	<p><b>1. LO: COMPUTING</b> To develop your research, analysis and essay writing skills</p> <p><b>Task:</b> Discuss the History of Computers in Education and how ICT has become more commonplace in schools. (Minimum 750 words)</p> <p><b>Due date:</b> 11/02/2019</p> <p><b>Top Tip:</b> Remember to state all the sources you used. Submit the Google Slide/Doc document on Google classroom under the assignment section.</p>	<p><b>2. LO: MUSIC</b> To show a strong understanding and sensitivity of traditions and the relationship between other traditions and your own.</p> <p><b>Task:</b> Create a well-detailed Venn diagram to compare the differences and similarities between you leaving your home country to begin life in Singapore, and that of what an African person might have felt leaving for the Americas in the 16th to 19th centuries.</p> <p><b>Due date:</b> Week commencing 11/03/2019</p> <p><b>Top Tip:</b> Were there mixed emotions? Excitement of a new country? Is there a certain type of music that makes you nostalgic?</p>
<p><b>1. LO: COMPUTING</b> To develop your research, analysis and essay writing skills.</p> <p><b>Task:</b> Computers in the Medical Field; discuss some of the advanced computer equipment used to support medical staff in hospitals. (Minimum 750 words)</p> <p>Look at the following URL. <a href="http://www.teach-ict.com/gcse_new/organisations/hospital_s/miniweb/index.htm">http://www.teach-ict.com/gcse_new/organisations/hospital_s/miniweb/index.htm</a></p> <p><b>Due date:</b> 11/02/2019</p> <p><b>Top Tip:</b> Remember to state all the sources you used. Submit the Google Slide/Doc document on Google classroom under the assignment section.</p>	<p><b>3. LO: MUSIC</b> To be able to confidently improvise music to an audience with a strong sense of style, structure, musical shape, and understanding.</p> <p><b>Task:</b> Prepare a performance of 'Blue Monk' either as a soloist or part of a group, demonstrating a development of the melody using improvised variations. (Be ready to perform to the class.)</p> <p><b>Due date:</b> Week commencing 01/04/2019</p> <p><b>Top Tip:</b> <b>Developing:</b> Perform the triads in time with your partner/solo. <b>Secure:</b> Perform the triads, melody and bass line in time with your partner/solo. <b>Excellence:</b> Perform the triads, melody, bass line with your partner/solo, and improvise using the blues scale.</p>	<p><b>2. LO: MUSIC</b> To be able to perform a range of styles and textures, with independence of melody and harmony.</p> <p><b>Task:</b> Play the blues form and chord progression using primary chords in the key of C major in the right hand, and a walking bass in the left hand. (Be ready to perform to the class.)</p> <p><b>Due date:</b> Week commencing 11/03/2019</p> <p><b>Top Tip:</b> If you don't have access to a keyboard at home, you could download a free keyboard app on to your phone or tablet.</p>
<p><b>1. LO: COMPUTING</b> To develop your research, analysis and essay writing skills.</p> <p><b>Task:</b> Personal Computers are better than Macintosh Computers, or are Personal Computers better than Macintosh Computers? Compare both platforms using a range of analysis tools, research, personal views and data to answer this question. (Minimum 750 words)</p> <p><b>Due date:</b> 11/02/2019</p> <p><b>Top Tip:</b> Remember to state all the sources you used. Submit the Google Slide/Doc document on Google classroom under the assignment section.</p>	<p><b>2. LO: MUSIC</b> To be able to perform a range of styles and textures, with independence of melody and harmony.</p> <p><b>Task:</b> Play the blues form and chord progression using primary chords in the key of Bb major in the right hand, and a walking bass in the left hand. (Be ready to perform to the class.)</p> <p><b>Due date:</b> Week commencing 11/03/2019</p> <p><b>Top Tip:</b> If you don't have access to a keyboard at home, you could download a free keyboard app on to your phone or tablet.</p>	<p><b>2. LO: MUSIC</b> To be able to perform a range of styles and textures, with independence of melody and harmony.</p> <p><b>Task:</b> Play the blues form and chord progression using seventh chords in the key of C major in the right hand, and a walking bass in the left hand. (Be ready to perform to the class.)</p> <p><b>Due date:</b> Week commencing 11/03/2019</p> <p><b>Top Tip:</b> If you don't have access to a keyboard at home, you could download a free keyboard app on to your phone or tablet.</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.

### SCIENCE

- Students in Year 9 start the KS4 IGCSE science programme and as such are set one piece of homework which should take an hour per week.
- The homework will either take the form of past-IGCSE examination questions that support the topic being covered in class, revision if there is upcoming assessment, or section of our IGCSE science homework workbook, which is used throughout Y9, Y10, and Y11.

### OVERVIEW OF DEADLINES FOR YEAR 9

	<b>Task 1</b>	<b>Task 2</b>	<b>Task 3</b>
Visual Arts and Design Technology	18/02/2019	04/03/2019	25/03/2019
Music + Computing	11/02/2019	11/03/2019	01/04/2019
Geography	11/02/2019	04/03/2019	25/03/2019
History	18/02/2019	11/03/2019	01/04/2019