



YEAR 10 PUPIL PROGRESS

Please find below the content covered in your Child's course so far this year and some top tips from their subject teacher.

Subjects	Course content covered	Top 5 tips
Triple Biology	1.1 Cells and movement across membranes	<ol style="list-style-type: none">1. Review work regularly - especially key scientific terms. (Use BBC bitesize, GCSE pod etc)2. Read questions carefully - highlight key words and phrases.3. Show your workings out for all calculations and don't be afraid of making mistakes. Often, if you've shown your workings, you can get error carried forward marks even if you've made a mistake.4. Make sure you're specific when describing scientific concepts - avoid the word "it" if at all possible.5. Check your units and see if you need to convert them. Use a calculator to help you do calculations - you get no extra marks by calculating it in your head!
Triple Chemistry	1.1 The Nature of substances and chemical reactions.	<ol style="list-style-type: none">1. Review work regularly - especially key scientific terms. (Use BBC bitesize, GCSE pod etc)2. Read questions carefully - highlight key words and phrases.3. Show your workings out for all calculations and don't be afraid of making mistakes. Often, if you've shown your workings, you can get error carried forward marks even if you've made a mistake.4. Make sure you're specific when describing scientific concepts - avoid the word "it" if at all possible.5. Practice using the periodic table to answer questions. The periodic table is the key to the structure of the elements, their properties and reactivity.
Triple Physics	1.1 - Electric circuits 1.2 - Generating electricity 1.4 - Domestic electricity	<ol style="list-style-type: none">1. Review work regularly - especially key scientific terms. (Use BBC bitesize, GCSE pod etc)2. Read questions carefully -

		<p>highlight key words and phrases.</p> <ol style="list-style-type: none"> 3. Show your workings out for all calculations and don't be afraid of making mistakes. Often, if you've shown your workings, you can get error carried forward marks even if you've made a mistake. 4. Make sure you're specific when describing scientific concepts - avoid the word "it" if at all possible. 5. Check your units and see if you need to convert them. Use a calculator to help you do calculations - you get no extra marks by calculating it in your head!
<p>Double Science</p>	<p>On rotation, so will have covered some of the below:</p> <p>Biology:</p> <ol style="list-style-type: none"> 1.1 Cells and movement across membranes 1.2 Respiration and the respiratory system in humans 1.3 Digestion and the digestive system in humans <p>Chemistry:</p> <ol style="list-style-type: none"> 2.1 The nature of substances and chemical reactions 2.2 Atomic structure and the periodic table <p>Physics:</p> <ol style="list-style-type: none"> 3.1 - Electric circuits 3.2 - Generating electricity 3.4 - Domestic electricity 	<ol style="list-style-type: none"> 1. Review work regularly - especially key scientific terms. (Use BBC bitesize, GCSE pod etc) 2. Read questions carefully - highlight key words and phrases. 3. Show your workings out for all calculations and don't be afraid of making mistakes. Often, if you've shown your workings, you can get error carried forward marks even if you've made a mistake. 4. Make sure you're specific when describing scientific concepts - avoid the word "it" if at all possible. 5. Check your units and see if you need to convert them. Use a calculator to help you do calculations - you get no extra marks by calculating it in your head!
<p>Single Applied Science</p>	<p>1.1 Modern living and Energy</p> <ul style="list-style-type: none"> - Underpinning energy concepts - Generating Electricity - Making use of electricity - Building Electric circuits <p>1.2 Obtaining resources from our planet</p> <ul style="list-style-type: none"> -obtaining clean water -our planet -producing useful compounds in the laboratory <p>1.3 Our Planet</p> <ul style="list-style-type: none"> -Our place in the universe -world of life -transfer and recycling of nutrients <p>1.4 Protecting our environment</p>	<ol style="list-style-type: none"> 1. Review work regularly - especially key scientific terms. (Use BBC bitesize, GCSE pod etc) 2. Read questions carefully - highlight key words and phrases. 3. Show your workings out for all calculations and don't be afraid of making mistakes. Often, if you've shown your workings, you can get error carried forward marks even if you've made a mistake. 4. Make sure you're specific when describing scientific concepts - avoid the word "it" if at all possible. 5. Check your units and see if you

		need to convert them. Use a calculator to help you do calculations - you get no extra marks by calculating it in your head!
ICT	<ul style="list-style-type: none"> - Information Handling Creating a database, using sorts, searches and queries. Validation techniques - Modelling Creating a spreadsheet, to be used as an order form. Using a range of formulas and functions. 	<ol style="list-style-type: none"> 1. Keep organised and make sure work set in lesson is completed in lesson. 2. Any preparation work that can be completed outside of the controlled assessment is done. 3. Keep revisiting the theory topics and revise little and often. 4. Don't be afraid to ask for help in class, this could also be via email or Classroom message. 5. Make sure your work annotations are detailed especially when explaining how formulas work. This is something the moderator will be looking for.
Computer Science	<p>Programming</p> <ul style="list-style-type: none"> ● Python recap ● Input/Output ● Calculations ● Branching <p>Theory</p> <ul style="list-style-type: none"> ● Network Hardware, Protocols and Policies ● Network Topologies ● Network Circuit Switching and Packet Switching ● Network Security ● Internet DNS and IP 	<ol style="list-style-type: none"> 1. Practice coding at every opportunity. 2. The theory is as important as the practical. 3. Keep abreast of technology news - try to find out some in-depth understanding of how new innovations work. 4. Try to relate theory topics to everyday life, e.g. relate networks to your home router, or the mobile phone network 5. Don't be afraid to "magpie" other people's code when learning; but don't just copy it, try to understand it and adapt it for your own purposes. 6. THEORY - Complete work set in class. 7. Answer questions on the Cambridge website. 8. Make notes from the revision guide and answer the questions at the end of each section.
Constructing the built environment	Please email Mr Owen for more information on the course	
Level 2 WJEC Engineering	Please email Mr Owen for more information on the course	
Fashion and	2.1.1 a&b	1. Complete homework and online

Textiles	The impact and critical evaluation of new and emerging technologies - sustainability, push pull factors, CAD, CAM 2.1.1 f Designer analysis - Orla Kiely, Laura Ashley & Stella McCartney	classwork set 2. Revise and read notes made on exam papers 3. Apply yourself and reduce chattering in class 4. Start researching into the field of fashion and textiles 5. Be open minded about all the content within this course- it's not just clothes!
Hospitality and Catering	Unit 2 coursework AC1.1 AC1.2	1. read the assessment criteria and use the exemplar work to understand what you need to do to achieve target grade 2. Ensure you meet all deadlines so you don't fall behind 3. Use feedback to upgrade work 4. Work independently outside of lessons 5. Attend catch up session for additional support
Product Design	Please email Mr Stewart for more information on the course	1. Remain open minded about all of your ideas. 2. Do not be afraid to test your ideas using a range of methods. 3. Be constructively critical of your design ideas. 4. Ensure you use your specification as a success criteria when designing, modelling and refining your ideas. 5. Aim to complete 1 A4 page of design development a week at home.
Skillstart Performing Engineering Ops - METAL	1. Completed soft jaws practical task. 2. Completed thread clamp task. 3. Completed Unit 4 Theory - Understanding Engineering Drawings.	1. Complete practical write up sheets as you complete the practical tasks - don't leave it until you have finished. 2. Make use of your course checklist to keep tabs and what work you still have outstanding. 3. Remember to expand on answers that prompt for a description or explanation. 4. The theory is as important as the practical - don't let your theory slip. 5. Accuracy in your practical tasks is incredibly important, don't rush, accuracy is more important than

		speed.
Skillstart Performing Engineering Ops - WOOD		<ol style="list-style-type: none"> 1. Complete practical write up sheets as you complete the practical tasks - don't leave it until you have finished. 2. Make use of your course checklist to keep tabs and what work you still have outstanding. 3. Remember to expand on answers that prompt for a description or explanation. 4. The theory is as important as the practical - don't let your theory slip. 5. Accuracy in your practical tasks is incredibly important, don't rush, accuracy is more important than speed.