

# THE THOMAS ADAMS SCHOOL ~ WEM

## *10 WEEK COUNTDOWN - BLOCK PLAN* YEAR 11 – 2019

**Subject: Design and Technology**

**Suggested study advice. The curriculum has been broken up into chunks. We suggest you read the pages in the blue book one day, and answer the questions on the next day. Spend no more than 15-20 minutes per day either reading or answering questions. Break it up over the week. If You follow this plan you will find that you have covered the key points of the specification in order to answer an exam paper to a good standard. Please feel free to show your work to a D&T teacher for advice and feedback. Use the revision sessions for NEA completion and then after the deadline, topics you are struggling with.**

**Good luck, you only get out what you put in.**

Date	Work/Learning/Deadlines	Extra Lessons/Notes/Key Dates
------	-------------------------	-------------------------------

**!! THE TEN WEEK COUNTDOWN STARTS ON FEBRUARY 11<sup>th</sup>!!**

<p><b>Week 10</b> Mon. 11<sup>th</sup> Feb.</p>	<p><b>NEA DEADLINE 6 WEEKS-</b> Sketchbook finished, Final idea agreed with teacher, specific materials ordered by teacher and/or any additional materials identified.</p> <p>HALF TERM WORK COMPLETE THE NEA PAGES SET VIA HOUTOUT. These should include, final idea,</p> <p>If you cannot complete it because you do not have photos, BUT set up the pages, annotate etc. and leave the blanks ready for the pictures. You'll put these in in the first 2-3 weeks when back.</p> <p>LEARN A,B &amp; C words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
-----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

**Weekly Revision Task: FOCUS ON NEA SKETCHBOOK AND PAGES THAT ARE INCOMPLETE. Remember, you should have continuous annotations about your design thinking and client feedback at key points throughout.**

<p><b>Week 9</b> Mon. 25<sup>th</sup> Feb.</p>	<p><b>NEA DEADLINE 5 WEEKS-</b> technical spec done, working drawings of all parts done + manufacturing production plan.</p> <p>LEARN D,E &amp; F words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

**Weekly Revision Task: Blue and White CGP books** *New and Emerging Technologies- Industry and enterprise (Blue p2-3,White p4), Sustainability and the Environment (Blue p6-9 ,White p7), People culture and society (Blue p 10-11,White p9), Production techniques and systems (Blue p4-5 38-39, White p), Informing design decisions (Blue p 34-35,White p ).*

<p><b>Week 8</b> Mon. 4<sup>th</sup> March</p>	<p><b>NEA DEADLINE 4 WEEKS-</b> Photo diary should be set up with photos being placed in. x10 per part. Reflective comments as you go along.</p> <p>LEARN H, I &amp; K words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Blue and White CGP books</b> <i>Energy materials, systems and devices - Energy generation and storage (Blue p12-13 ,White p13) Modern and Smart materials (Blue p32-33 ,White p30), composite materials and technical textiles (Blue p23,White p22), Systems approach to designing(Blue p24-25 ,White p 24), Electronic systems processing(Blue p26-27 ,White p24), Mechanical devices (Blue p28-31 ,White p27,34).</i></p>		
<p><b>Week 7</b> Mon. 11<sup>th</sup> March</p>	<p><b>NEA DEADLINE 3 WEEKS-</b> final product should now be finished, with a final prototype photograph page.</p> <p>LEARN L &amp; M words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Blue and White CGP books</b> <i>Materials and their working properties – Properties (Blue p14-15 ,White p15), Origins (p44-47) Papers and boards (Blue p16-17 ,White p16), Timbers (Blue p16-17 ,White p16), Metals and Alloys (Blue p18-19 ,White p18), Polymers (Blue p18-19 ,White p18), Textiles (Blue p20-21 ,White p20).</i></p>		

	<b>Work/Learning/Deadlines</b>	<b>Extra Lessons/Notes/Key Dates</b>
<b>Week 6</b> Mon. 18 <sup>th</sup> March	<p><b>NEA DEADLINE 2 WEEKS-</b> product feasibility page. Marketability, comparisons with working drawings/plans, expanding the product line or brand? Physical testing, user feedback positives and negatives for CLIENT, user group, a shop? A survey, etc.</p> <p>LEARN N &amp; O words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Blue and White CGP books</b> <i>Specialist technical principles WOOD or TEXTILES (ONLY PICK ONE! SECTION B IN YOUR PAPER ANSWER WITH RESPONSES ABOUT THAT MATERIAL ONLY!)</i>  <i>Sources and properties of TIMBERS (Blue p44,58-59,60top, p61-67 p68-69 lathes &amp; laminating, White p55,57) Working with TIMBERS (Blue p32-32, White p59,60,61,63,65), Commercial manufacturing and surface finishes (Blue p72,p42-43, White p68).</i>  <i>Sources and properties of TEXTILES (Blue p20-23, 74-75, White p70) Working with TEXTILES (Blue p76-79, White p72,74,78,80), Commercial manufacturing and surface finishes (Blue p82-85, White p78,80).</i></p> <p><i>IF you would like more notes, please ask your teacher.</i></p>		
<b>Week 5</b> Mon. 25 <sup>th</sup> March	<p><b>NEA DEADLINE 1 WEEKS-</b> Testing and evaluation- Strengths and weaknesses, modifications with imagery, design optimisations.</p> <p>LEARN P &amp; Q words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Blue and White CGP books</b> <i>Design and making principles- Research techniques (Blue p96-103, White p 90-96), The work of others (Blue p94-95, White p 89), presentation methods (Blue p108,111, White p103,105, tolerances and quality control (Blue p40-41, White p36,38,40), design strategies (Blue p104-105,106-117, White p 98, 105-111)</i></p>		
<b>Week 4</b> Mon. 1 <sup>st</sup> April	<p><b>NEA DEADLINE- FINAL HAND IN FOR MARKING AND MODERATION. WORK HANDED IN AFTER THIS POINT MAY NOT BE MARKED BY YOUR TEACHER. 50% of your GCSE will be marked at this point.</b></p> <p>LEARN S words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Maths skills for D&amp;T booklet- complete as much as possible.</b>  <a href="http://www.technologystudent.com/pdf14/maths_combined3.pdf">http://www.technologystudent.com/pdf14/maths_combined3.pdf</a></p>		

<p><b>Week 3</b> Mon. 8<sup>th</sup> April</p>	<p>IN CLASS REVISION- focus on mechanisms, movement and forces.</p> <p>+ focus on maths skills for the exam. Gears and levers (forces) marking out and nesting...</p> <p>LEARN T, W &amp; Y words/definitions on pages 122-123 (post it notes are good, stick them on your mirror or the inside of your wardrobe door! Somewhere you use/see everyday)</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Sample paper 1</b></p>		
<p><b>Week 2</b> Mon. 29<sup>th</sup> April</p>	<p>IN CLASS REVISION- focus on the work of others</p> <p>+ focus on maths skills for the exam. Graphs and data, area, calculating costs, ratios...</p> <p>T</p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Sample paper 2</b></p>		
<p><b>Week 1</b> Tues. 7<sup>th</sup> May</p>	<p>IN CLASS REVISION- paper structure reminder, focus on section A- core technical principles, core knowledge of materials and properties.</p> <p><i>(Bank Holiday on Mon. 6<sup>th</sup> May / External Exams begin 13<sup>th</sup> May)</i></p>	<p>Wednesday 3:20-4:30pm Wed-Fri Lunch sessions 13:45-14:15</p>
<p><b>Weekly Revision Task: Sample paper 3</b></p>		

**EASTER HOLIDAY: FRIDAY 12<sup>TH</sup> April – FRIDAY 26<sup>TH</sup> APRIL**