design and technology
Thomas Alleyne's High School

Y12 Overview and Deadlines 2023-24

Homework is to complete all work needed to meet each weekly deadline

W	Date	Project	Theory
Autumn 1			
1	1) 4th Sept	INSET day Mon+Tues 4th+5th. Term Starts + Y12 Induction on Weds 6th. Normal lessons start on Thurs 7th **Lighting project** (12 Weeks) **Complete Comparison work on lamps and list +/- points. Ext SPEC**	
2	2) 11th	**Spec** – based on P.A. & comparisons. **Initial Ideas** Morph approach + examples. Do morph table	
1	3) 18th	**Initial Ideas** + Iso sketching & tutorials	**1)** Material Properties
2	4) 25th	**Initial Ideas**. 2D/ 3D component sketches from morph table.	**2) Polymers**: + demo: Vac form, imould, blow
1	5) 2nd Oct	**Initial Ideas** 2D/ 3D component sketches from morph table. Plus Annotation and Spec check (morph) **Morph Development** Do Morph table + start sketches / practical	Polymer Processes cont. **3) Wood** + Processes, Router and Lathe demos
2	6) 9th	**Modelling: Workshop basics:** hot wire, Styrofoam, sanders, pillar drill Wood lathe, Router + wood joints	Finish Wood + demos **4) Metal +** Lathe demo
1	7) 16th	**Modelling:** Workshop basics: hot wire, Styrofoam, sanders, pillar drill Wood Lathe / Metal Lathe	Metal – complete demos
2	8) 23rd	**Modelling:** Riveting, Metal Lathe practice **INSET Day Fri 27th**	Flexible: demo /practice
	½ Term	Oct 30th – Nov 5th	
Autumn 2			
1	1) 6th Nov	**Development Practical** with support and demos as needed	2D CAD Corel
2	2) 13th	Development Practical with support and demos as needed	2D CAD Corel+laser
1	3) 20th	Development Practical with support and demos as needed	2D CAD Corel+laser
2	4) 27th	Development Practical with support and demos as needed **Y13 Coursework:** Tutorials to pick a project	3D CAD Inventor
1	5) 4thDec	**Y13 Coursework:** Tutorials to pick a project **Final Idea** Drawings	3D CAD Inventor
2	6) 11th	**Coursework:** Moodboards **Final Idea**+CAD+Prod Plan	CAD / CAM +3D Printer
1	7) 18th	**Coursework:** Moodboards **Final Idea**+CAD+Prod Plan	CAD / CAM + 3D Printer
	Christmas	22nd Dec – 7thJan HO HO HO !!	
Spring 1			
2	1) 8th Jan	**Inset Day 8th Jan.** Sort Products for Analysis – finish moodboards	**Lighting Practical**
1	2) 15th	**Coursework:** Product Analysis	Final Prototype
2	3) 22nd	**Coursework:** Product Analysis	Final Prototype
1	4) 29th	**Coursework:** Product Analysis – Feedback & Next Steps	Final Prototype
2	5) 5th Feb	**Coursework:** Comparisons	Final Prototype
	½ Term	12th – 18th Feb	
Spring 2			
1	1) 19th	**Coursework:** Comparisons	**5)** Composites
2	2) 26th	**Coursework:** Comparisons – Feedback & Next Steps	**6)** Smart Materials
1	3) 4th Mar	**Coursework:** Survey and Interview – ONGOING HOMEWORK	**7)** Energy
2	4) 11th	**Coursework:** Market Gap & USP	**8)** Life Cycles
1	5) 18th	**Coursework:** Market Gap & USP – Feedback and Next Steps	Flexible
	Easter	25th March – 7th April	
Summer 1			
2	1) 8th Apr	**INSET Day** Monday 17th **Coursework Progress review up to Market Gap**	Lamp Practical Coursework Intervention Mock exam revision prep
1	2) 15th	**Coursework:** Survey and Interview – Progress Check	
2	3) 22nd	**Coursework:** Contextual Research	
1	4) 29th	**Coursework:** Contextual – Feedback and Next Steps	
2	5) 6th May	Bank Holiday Monday 6th May **Coursework:** Survey and Interview – Feedback and Next Steps	
1	6) 13th	**Coursework:** Anthropometrics	
2	7) 20th	**Coursework:** Anthropometrics – Feedback and Next Steps	
	½ term	27th May - 2nd June	
Summer 2			
1	1) 3rd Jun	**Coursework:** Situation and Problem	
2	2) 10th	**Coursework:** Situation and Problem, Possible Projects Brainstorm + 3 Briefs	
1	3) 17th	**MOCK EXAMS??**	
2	4) 24th	**MOCK EXAMS??**	
1	5) 1st July	**Coursework: COURSEWORK REVIEW OF PROGRESS – COMPLETE RESEARCH SECTION + NEXT STEPS**	
2	6) 8th	**Coursework:** BRIEF AND SPECIFICATION	
1	7) 15th	**Coursework:** BRIEF AND SPECIFICATION	