

Year 12 Timetable

	9-11am	11am -1pm	1pm-3pm
Monday	Level 3 Engineering Level 3 Computing	Level 3 Civil Engineering	Level 3 Applied Science
Tuesday		A level Maths	Level 3 Civil Engineering
Wednesday	Level 3 Civil Engineering	Level 3 Applied Science	Level 3 Engineering
Thursday	A level Maths		
Friday	Level 3 Applied Science Level 3 Computing	A Level Maths	

Curriculum Plan

A Level Maths

W/C	Theme	Tasks	Resources	Assessment
20/04/2020	Vectors Cht 11	1. Introduction to vectors 11.1 11A p234-235. 2. 11.2 Representing Vectors 11B p237-238. 3. 11.3 Magnitude and direction 11C p239-241 4. 11.4 Position Vectors 11D.	AS Pure textbook	
27/04/2020	Vectors and Probability(Cht 5)	1. 11.5 Solving geometric problems 11E p244-247. 2. 11.6. Modelling with Vectors p248 11F p250. 3. Mixed exercise. 4. Probability-5.1,5.2 5A and 5B. 5. Mutually exclusive events p75 5C p77-78	AS Pure and AS Stats textbook	Mixed exercise and Vectors end of unit assessment
05/04/2020	Probability tree diagrams(cht5) and Differentiation (Cht 12)	1. 5.4 Tree diagrams p78 5D p79. 2. Rearranging formula transition worksheet. 3. Cht 12-Differentiation p255 Gradients of curves p256 12A p258. 4. Differentiating by first principles p259-261 12B. 5. Differentiating - p262-263 12C	AS Pure and AS Stats textbook	Probability EOU assessment
05/11/2020	Differentiation (Cht12)	1. 12.4 Differentiating quadratics p264-266 12D. 2. Differentiating 2 or more terms p267-268 12E. 3. 12.6 Gradients, Tangents and normals p268-269 12F. 4 12.7 Increasing and decreasing functions p270-271 12G	AS Pure textbook	
18/05/2020	Differentiation (Cht12)	1. 12.8 Second order Derivatives p271-272. 2. 12.9 Stationary Points p273-276 12i. 3. Sketching gradients p277-278 12J. 4. 12.11 Modelling with Differentiation p279-285 12K and Mixed exercise	AS Pure textbook	Mixed exercise and Differentiation EOU assessment

Computing

W/C	Theme	Tasks	Resources	Assessment
4/20/2020	Why do we use a relational database?	You are to write a comparison of relational databases compared to other database structures identifying both the benefits and limitations. You should then look why relational databases result in reliable structures	All Resources on Teams and presented through presentation	Part of your Task A Assessment
4/27/2020	Relational database systems	Look at some different Relational Database management systems. Evaluate each	All Resources on Teams and presented through presentation	Part of your Task A Assessment
4/5/2020	Relational database structures and how we manipulate data	For each of the roles on the assignment write a clear evaluation (you can use a table). Then look at how data is manipulated (focus on DDL and DML elements of SQL)	All Resources on Teams and presented through presentation	Part of your Task A Assessment
11/5/2020	Normalisation	You are to summarise each stage of the normalisation process including what is happening at each stage (use examples). Evaluate each stages and outline its purpose and why it is important in developing effective relational database designs	All Resources on Teams and presented through presentation	Part of your Task A Assessment
5/18/2020	Normalisation	Create an evaluation of the importance of normalisation in developing an efficient data structure. Talk about how normalisation removes anomalies, creates keys, can be used for indexing, provides a data dictionary etc. You can do this as part of the Normalisation summary from last week.	All Resources on Teams and presented through presentation	Part of your Task A Assessment

Applied Science

Theme	Tasks	Resources	Assessment
Unit 17 C&D Microbiology	Download the excel data file from the App.Sci Team. Use the guidance notes contained within it to complete the data analysis tasks for C&D at Merit and Distinction level. there are additional tabs within the excel file for you all to share your primary data from your groups. I will also have access so I can tweak the data to make sure it is fit for purpose.	https://utcwarrington-my.sharepoint.com/:x/g/personal/df_twist_utcw_co_uk/EUN3NPPyDQBAhLxKUE_gcxQBect9pDFFgc0Lw5GqDFsG5Q?e=MN412A	<p>Submit via the assignments tab in the Applied Science Team Assignments tab and you will receive feedback for improvement to achieve at least a Merit.</p>
Unit 4A/D	Complete Assignment Unit 4A and 4D giving workplace ng examples		

Civil Engineering

Theme	Tasks	Resources	Assessment
Completion of Coursework	Year 12/13 Civil: completing units 8, 9, 13, 15, 23, 36 & 37	<p>All resources can be found on Teams</p>	<p>Submit coursework on Microsoft Teams.</p>

Engineering

Theme	Tasks	Resources	Assessment
Completion of Coursework	Mrs Owen -Units 2a, 2b, Unit 4a,4b Unit 5a,5b, Unit 10a,10b, 10c, Unit 18a, Mr Hatherall -Unit 22a,22b, 22d, Unit 45a, 45b	All resources can be found on Teams	Submit coursework on Microsoft Teams.