Maths & Technologies

Subject & Level	Teams Code	Theme/Topic/Unit	What are you learning?	Explanation/Instructions/Activity	Submitted piece of work and deadline
Higher Maths S5/6 Higher Maths (Mrs. Lundberg) S5/6 Higher Maths (Mrs. Stewart) S5/6 Maths (Mrs. Millar) S5/6 Higher Maths (Mr. Drummond)	**ka4w02c** **5d1wm2n** **apbivq5** **7sg5mv6**	**<u>Week 7</u>** Work on The Wave Function. This is our final topic and we should complete the course this week. **<u>Week 8</u>** Embark on revision.		**<u>Weeks 7 and 8</u>** Narrated Power Point presentations will be posted in Teams. These contain explanations, worked examples that the learners are expected to copy down to pre-printed notes or in their jotters, examples from textbooks and past exam questions with answers provided for the learners to work through and check their answers.	**Homework 11** which should be handed in on or before **Friday 5th of March**
Advanced Higher Maths	**g5fvixj**	Applications of Calculus	Volume of solids of revolution, rates of change	Two weekly tutorials, three worksheets with questions, videos with explanation phase	Homework will be due on Fri 26th Feb and Fri 5th Mar
Higher Design & Manufacture	25udzk1	Completing a variety of exploring ideas tasks and revision tasks; revision topics will be based on learner feedback	**Weeks 7 & 8:** we are learning how to explore our ideas and how to answer exam style questions	**Weeks 7 & 8:** Learners will continue to have access to the narrated PowerPoint and marking scheme in their exploring ideas assignment, which will help them to complete the task effectively. Revision topics during tutorials will be guided by learner feedback and the question-based assignment will correspond to the chosen topic(s) accordingly.	**Week 7**: Revision based Teams Assignment posted on teams will be due in on 26/02/21 **Week 8**: Revision based Teams Assignment posted on teams will be due in on 05/03/21. Photos of the

					exploring ideas pages should be uploaded to the corresponding assignment by Monday 08/03/21
Higher Graphics	0fj2vr4	Computer Aided Graphics and Computer Aided Illustration	We are learning about CAD and CAI and will develop our understanding of Modelling Plan Questions.	A sway document featuring tasks, videos and examples will be uploaded to the team. This will be backed by a live session on the Computer Aided Graphics and Computer Aided Illustration and another on Modelling Plans. Tasks to be completed should be uploaded to the class notebook or assignments and a weekly form on the weeks task.	Weekly tasks and assignments due on Tuesdays, one week after the live tutorial.
Advanced Higher Graphics	y5yzkd5	Techniques for creating effective CVMG and TG	We are learning how to create effective CVMG and TG solutions.	Live Tutorial on Tuesday will cover theory and explore new topics and exam style questions. Live Tutorial on Thursday will cover the course assessment task and will feature discussion and feedback. Learners will continue to work on their individual projects through the weeks and will independently study set areas of revision.	Weekly Assignment of exam style questions due the following Tuesday after tutorial. CAT work is ongoing.
Higher Computing	bhw9tc7	**Week 7 & 8:** Assignment and Holistic Assessment preparation	**Week 7 & 8:** We are learning to apply strategies for revision to prepare for the Holistic Assessment and the H Computing Assignment	See posts made in '**Higher Comp Sci 20-21**' Team for a description of the task and a link to the video for the lesson. All tasks are distributed in OneNote as normal via assignment feature. Programming tasks should be completed using repl.it and the link to the completed task should be placed in the relevant OneNote page. Learners are responsible for their own repl.it usernames and passwords. Reset your password if required.	**Week 7:** Ensure all previous tasks completed and up to date. Work should be completed by 26/02/21 **Week 8:** Ensure all previous tasks completed and up to date. Work should be completed by 05/03/21
Senior N4 Maths Ms Steele (S4 N4 Maths Ms Steele 2020-2021) Mrs Henson	**wryss2d** **5cu0h69**	**Week 7:** Consolidating Algebra - changing the subject of the formula Moving onto Pythagoras- using Pythagoras to find the length of the longer side of a right-angled triangle	**Week 7**: We are learning to change the subject of the formula We are learning about Pythagoras Theorem and how to calculate the length of the longer side of a right-angled triangle	**Online lessons will be uploaded on a Monday, Tuesday and Thursday. Pupils should complete this work and email their teacher on topics they are unsure about. These topics can be discussed with their teacher at the Live Tutorials on Wednesday and Friday.** **Week 7-8** - A sway (Online Lesson) will be uploaded to teams this will include Videos showing and explaining step by step examples on	**Week 7 –** Assignment/Quiz on Algebra - consolidation solving equations and changing the subject of the formula will be uploaded pupils should complete this and submit by Thurs 4th Mar **Week 8** -

S4N4 N4 Mathematics (G Stirling)	**wgo4umw**	**Week 8:** Pythagoras - using Pythagoras to find the length of a shorter side Pythagoras – finding the length of the shorter/longer side of a right-angled triangle – which formula to use	**Week 8**: We are learning to use Pythagoras Theorem to calculate the length of the shorter side of a right-angled triangle and to be able to state which "formula" to use to calculate the length of a either shorter/longer side of a right-angled triangle.	consolidation work on Algebra - changing the subject of the formula, Using Pythagoras to find the length of the longer side and a shorter side of a right-angled triangle and which formula to use. After watching the video pupils should then attempt the tasks, exercise, activities or puzzles set. This should be done in your jotter (put the date in your jotter). After reviewing the sway and having tried the classwork pupils should upload their completed work onto class notebook in the classwork folder or email their teacher. Notes from Tutorial will also be uploaded on the day of the Tutorial.	Assignment/Quiz on Using Pythagoras to find the longer/shorter side of a right-angled triangle will be uploaded pupils should complete this and submit by 11h Mar
N5 Maths S4 (Mrs. Lundberg) N5 Maths S4 (Mrs Stewart) N5 Maths S5/6 (Mrs Stewart) N5 Maths Mr Milligan S4A1 N5 / CfE4 N5 4A4 Mrs Millar	7cbhdpk **78r2bz8** **w110q64** **r6k57yr** **x94l9o1** **mzghgzo** **82xqrlh**	Statistics (Level 4 -> N5) Similar Shapes (Level 4 -> N5)	**<u>Week 7</u>** We are learning to draw and evaluate scatter graphs **<u>Week 8</u>** We are learning to use mathematically similar shapes to solve problems	On Monday's and Wednesday's Sway documents will be uploaded regularly by Mr Drummond containing retrieval tasks, narrated video examples, worked examples to be copied into jotters before tasks are assigned for daily completion. Friday will be a slightly smaller Sway document with the opportunity to catch up if this is required. Pupils will be expected to join tutorial sessions where teachers will go over examples from these Sway documents.	There will be an expectation that young people informally submit work to their teachers either by email or via class notebook. There will then be a formal assignment that will be set which will be due by the end of week 8.

N5 S5/6 Mrs Henson S4 N5 Mr Drummond	**vg0j8ay**				
N4 Design & Manufacture	kjpmdng	Working through assignment-based task looking at the exploring ideas section	**Weeks 7 & 8**: we are learning how to explore our ideas	**Weeks 7 & 8:** a narrated video will be uploaded to each learners Class Notebook in the 'Final Assignment' section to demonstrate how to complete the exploring ideas task. Learners must also check outstanding assignments on the Teams page to make sure that they are up to date with the work that should have been completed up to now.	**Weeks 7 & 8:** photos of completed exploring ideas should be uploaded to the exploring ideas assignment by Monday 08/03/21
N5 Design & Manufacture	kjpmdng	Working through assignment-based task looking at the exploring ideas section	**Weeks 7 & 8**: we are learning how to explore our ideas	**Weeks 7 & 8:** learners will continue to work on their exploring ideas task and revision topics during tutorials will be guided by learner feedback from the previous week and the question-based assignment will correspond to the chosen topic(s) accordingly.	**Week 7**: Revision based Teams Assignment posted on teams will be due in on 26/02/21 **Week 8**: Revision based Teams Assignment posted on teams will be due in on 05/03/21. Photos of the exploring ideas pages should be uploaded to the corresponding assignment by Monday 08/03/21
N5 Graphics		Computer Aided Graphics and Computer Aided Illustration	We are learning about CAD and CAI and will develop our understanding of Modelling Plan Questions.	A sway document featuring tasks, videos and examples will be uploaded to the team. This will be backed by a live session on the Computer Aided Graphics and Computer Aided Illustration and another on Modelling Plans. Tasks to be completed should be uploaded to the class notebook or assignments and a weekly form on the weeks task.	Weekly tasks and assignments due on Wednesdays, one week after the live tutorial.
N5 Woodwork (Mr McAlpine)		Week 7&8	Revision topics for assessment	**Learners will be given revision based activities to focus on. They will have some choice in which tasks they tackle. The class has been**	Week 7: submit work on teams

				scheduled to be in during week 8 and therefore no work will be formally issued.	
N5 Woodwork (Mrs Kennedy)	**g35au96**	Week 7&8	Revision of topics for holistic assessment	**Students will have the chance to complete a variety of task during the online live tutorial session provided on a Tuesday. They will be given a chance to ask questions if they are unsure and provide feedback about the weekly tasks. They are also given the opportunity to provide their own choice of what to cover.**	**Week 4:** Submission of activities posted on Teams 5/02/21 **Week 5:** Submission of activities posted on Teams 12/02/21
N5 Metalwork (Mrs Kennedy)	**ou07lg4**	Week 7&8	Revision of topics for holistic assessment	**Students will have the chance to complete a variety of task during the online live tutorial session provided on a Thursday. They will be given a chance to ask questions if they are unsure and provide feedback about the weekly tasks. They are also given the opportunity to provide their own choice of what to cover.**	**Week 7:** Submission of activities posted on Teams **Week 8:** Submission of activities posted on Teams
N5 Computing (Miss Lyon)	cla83uf	**Week 7:** Programming Challenge Progress Check **Week 8:** Conditional Loops	**Week 7:** We are learning to solve problems in Python efficiently by applying our prior learning **Week 8:** We are learning to solve problems in Python by using iteration in the form of conditional loop.	See posts made in Teams in the '**Column G Miss Lyon**' channel with a description of the task and a link to the video for the lesson. All tasks are distributed in OneNote as normal. Programming tasks should be completed using repl.it and the link to the completed task should be placed in the relevant pupil OneNote page. Learners are responsible for their own repl.it usernames and passwords. Reset your password if required.	**Week 7:** "The Y Factor" task. Work should be completed and in OneNote by 26/02/21 **Week 8:** "Conditional Loops" task. Work should be completed in OneNote by 05/03/21
N5 Computing (Mr Ramsay)	cla83uf	**Week 7:** Iteration	**Week 7:** We are learning to solve problems in Python by using iteration in the form of fixed loops **Week 8:**	See posts made in Teams in the '**Column F Mr Ramsay**' channel with a description of the task and any relevant links. All tasks are distributed in OneNote as normal. Programming tasks should be completed using repl.it and the link to the	**Week 7:** Iteration (fixed loops) should be completed and in OneNote by 26/02/21

		Week 8: the Y Factor	We are learning to solve problems in Python by bringing our prior learning together to synthesise a solution to a problem.	completed task should be placed in the relevant pupil OneNote page. Learners are responsible for their own repl.it usernames and passwords. Reset your password if required.	**Week 8:** Introducing the **Y Factor** practical task Work should be completed in OneNote by 05/03/21