

## Level 1/2 Award Engineering: Exam Board: NCFE

### NCFE Exam Structure

There are no changes to the NCFE Award in Exam for 2021. There is one exam opportunity in March 2021.

#### Unit 1 Exam

Paper: 1 hour 30 mins

Unit 1: The Engineering World. Students had the opportunity to sit this exam in Year 10 (March 2020) prior to lockdown. The entire content has been taught and revision sessions will recap all areas before the March 2021 opportunity. All students who have not met their target grade will sit the exam in March 2021.

40% of Award

#### Unit 2 Synoptic Project

Substantial problem solving task. Students will be provided with a Project Brief from NCFE in December 2020. Students must respond to the brief in 21 controlled hours, producing a portfolio of evidence which includes the development and testing of a working scale model.

60% of Award

**Changes to synoptic project** – No changes at present. NCFE are currently waiting for Ofqual to give further detail on any proposed changes. Centres have been advised to begin collecting evidence of safe working practice (AO4) as soon as possible. This is something we are able to do in the workshop.

### December Mock Exam Structure (30<sup>th</sup> November – 11<sup>th</sup> December)

#### NCFE Engineering

Paper: 1 hour 30

80 marks

### March Mock Exam Structure

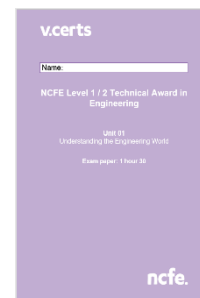
#### Being Organised

There are a number of techniques students can use to revise for their examinations and as a school we will share a range of these strategies with them. We advise that students complete their revision in short, disciplined amounts of time and use a revision timetable (example right) to help them plan and structure their revision.



All students have used a Unit 1 'Understanding the Engineering World' exercise book. They must take good care of this resource; it covers the entire content of the Unit 1 exam and will be used during revision. The exercise book was released by NCFE and has been adapted by our staff. The exercise book has been completed in lessons and all sessions are available in the student open area. Revision sessions are available on Teams.

As well as this, students will be provided with past exam papers and a series of 'quick quizzes' which cover the entire specification in smaller segments.



### Plan: Remaining Teaching Weeks to Mock Exams

Week Beginning	Lesson Content	Revision Material	Curriculum Recovery	Homework	Revision Class
12 <sup>th</sup> October	<p>Focus on research and testing.</p> <p>Individual completion of SynPro 2 – Pedestrian bridge. All students working through portfolio of evidence. Hand in date w/c 2<sup>nd</sup> Nov.</p>	<p>Purple exercise book essential – misplaced books will be replaced and content will be covered in after school sessions (also available via Teams). Past exam papers provided.</p>	<p>All stages of the SynPro are written in task format and available via Teams and the school website. At the beginning of September 2020 all students handed in work completed during lockdown and are aware of the stage they are up to. Recovery is ongoing – NCFE allocate 21 hours of controlled assessment for the SynPro – all students have at least 21 hours to complete their portfolio of evidence.</p>	<p>Focus on research and testing.</p> <p>All students using OneDrive in school in order to access portfolio of evidence at home. It is expected that students spend 1-2 hours per week working on this, meeting a weekly deadline.</p> <p>Each week students will be given exam questions in preparation for the Unit 1 exam.</p>	<p>Exam questions:</p> <p>9 disciplines</p>
19 <sup>th</sup> October	<p>Focus on learner log and recording evidence.</p> <p>Individual completion of SynPro 2 – Pedestrian bridge. All students working through portfolio of evidence. Hand in date w/c 2<sup>nd</sup> Nov.</p>	<p>Purple exercise book essential – misplaced books will be replaced and content will be covered in after school sessions (also available via Teams). Past exam papers provided.</p>	<p>All stages of the SynPro are written in task format and available via Teams and the school website. At the beginning of September 2020 all students handed in work completed during lockdown and are aware of the stage they are up to. Recovery is ongoing – NCFE allocate 21 hours of controlled assessment for the SynPro – all</p>	<p>Focus on learner log and recording evidence.</p> <p>All students using OneDrive in school in order to access portfolio of evidence at home. It is expected that students spend 1-2 hours per week working on this, meeting a weekly deadline.</p> <p>Each week students will be given exam questions in</p>	<p>Exam questions:</p> <p>Health and safety legislation</p>

			students have at least 21 hours to complete their portfolio of evidence.	preparation for the Unit 1 exam.	
Half Term Homework	Pupils are to complete a past paper. The work should take 1 hour 30 minutes, it is due in the first lesson back after half-term.				
2 <sup>nd</sup> November	<p>Focus on evaluations.</p> <p>This week the students are finalising their SynPro ready to hand in. This means their portfolio of evidence is complete (PowerPoint including CAD drawings and all research) and the scale model has been developed and tested.</p> <p>Week A1 – 2 classes don't have an Engineering lesson – deadline adjusted to suit</p>	<p>Purple exercise book essential – content will be covered in after school sessions (also available via Teams). Past exam papers provided.</p>	<p>Completed in September and October. This term looks at feedback from the recently completed SynPro and preparing for the final NEA.</p>	<p>Focus on evaluations. All students using OneDrive in school in order to access portfolio of evidence at home. It is expected that students spend 1-2 hours per week working on this, meeting a weekly deadline.</p> <p>Each week students will be given exam questions in preparation for the Unit 1 exam.</p>	<p>Exam questions: SI Units Equations</p>
9 <sup>th</sup> November	<p>Focus on evaluations.</p> <p>This week the students are finalising their SynPro ready to hand in. This means their portfolio of evidence is complete (PowerPoint including CAD drawings and all research) and the scale model has been developed and tested.</p>	<p>Purple exercise book essential – content will be covered in after school sessions (also available via Teams). Past exam papers provided.</p>	<p>Completed in September and October. This term looks at feedback from the recently completed SynPro and preparing for the final NEA.</p>	<p>Focus on evaluations. All students using OneDrive in school in order to access portfolio of evidence at home. It is expected that students spend 1-2 hours per week working on this, meeting a weekly deadline.</p> <p>Each week students will be given exam questions in preparation for the Unit 1 exam.</p>	<p>Exam questions: Engineering drawings</p>
16 <sup>th</sup> November	<p>Focus on feedback and improving SynPro.</p>	<p>Purple exercise book essential – content will be covered in after school sessions</p>	<p>Completed in September and October.</p>	<p>Focus on feedback. Each week students will be given exam questions in</p>	<p>Exam questions: Materials</p>

		(also available via Teams). Past exam papers provided.		preparation for the Unit 1 exam.	
23 <sup>rd</sup> November	Focus on feedback and preparation for the final SynPro and final preparations towards the mock exam.	Purple exercise book essential – content will be covered in after school sessions (also available via Teams). Past exam papers provided.	Completed in September and October.	Focus on feedback and preparation for the final SynPro.  Each week students will be given exam questions in preparation for the Unit 1 exam.	Exam questions:  Safe and Correct use Tools, Equipment and Machines

### Plan: January to Summer Exams

Half-term	Lesson Content	Revision Material	Curriculum Recovery	Homework	Revision Class
January to February	NCFE release final SynPro project brief in December 2020. Students are given 21 controlled hours to complete the task – this includes research, CAD drawings, material testing, model development and testing and evaluation.	Purple exercise book. Past exam papers (including mock exam).	Completed in September and October.	Each week students will be given exam questions in preparation for the Unit 1 exam. Focus on multiple choice and 4-6 mark questions.	Series of quiz questions covering each section of Unit 1 specification. Past papers used as well as existing revision materials.
February to April	Continuation of final SynPro. Deadline 31 <sup>st</sup> March 2021. Unit 1 exam 18 <sup>th</sup> March 2021.	Purple exercise book. Past exam papers (including mock exam). Exam 18 <sup>th</sup> March 2021.	Completed in September and October.	Each week students will be given exam questions in preparation for the Unit 1 exam. Focus on 9 mark questions.	Series of quiz questions covering each section of Unit 1 specification. Past papers used as well as existing revision materials.
April to May	Resubmission deadline for SynPro 31 <sup>st</sup> May 2021.	Exam complete.	Completed in September and October.	Unable to complete controlled assessment at home – homework will focus on individual research.	Exam complete.

### Exam Board Guidance

[www.qualhub.co.uk](http://www.qualhub.co.uk) - Qualification Specification is available to download - pages 31-36 covers Unit 1 Exam.