

Scheme of Work 2020 - 2021

Subject: Engineering

Year Group:10

Specification: Pearson L2 Tech Award Engineering

Lesson No	Topic & Objectives	Big Question – What will students learn?	Key Activities & Specialist Terminology (Do Now Task / Starter/Tasks/Plenary	Planned Assessment	Homework or flipped learning resources DODDLE resources	Lit Num SMSC Codes
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ADP Codes:

Sp2 – Students have access to outstanding learning opportunities – The department is resourced to ensure all students have access to outstanding learning experiences.

C5 – Students reach full potential as barriers have been removed – All learning objectives and tasks – allow scope for differentiation – ensuring all learners are given a chance to learn and progress.

Sp5 – Students take responsibility for their own learning journeys – This is encouraged and facilitated with all internal assessment tasks.

Sp9 – Creating enjoyment and fascination in learning – Practical component of Engineering allows students to gain first-hand experience of curriculum content – creating a more enjoyable and fascinating learning experience.

C3 – Foster a passion for learning – Specialist teachers with a passion and enthusiasm for their subjects bring first-hand experience into the classroom – fostering a passion for learning.

M1 – All stakeholders’ model resilience, positive relationships attitudes and behaviours – all social opportunities in lessons and behaviour expectations made clear by teachers. Attitude to lifelong learning modelled by teaching staff.

Term Three

First Half

1	Component 2 Aim C	Research all the tools needed to create the spanner.	Get a list of all the tools needed to mark out and produce the spanner and create a power point on all of the tools and what they did.	Work reviewed by teacher.	Teams	
2	Component 2 Aim C	Create a production plan	Work through all of the steps needed to mark out the spanner and produce it.	N/A	N/A	
3	Component 2 Aim C	Teacher review of production plan	Each production plan will be reviewed individually and students will take notes.	Teacher review.	Teams	
4	Component 2 Aim C	Rewrite your production plan.	Students will rewrite their production plan taking into consideration the changes that the teacher has suggested in the previous lesson.	Teacher reviewed.	Teams	

5	Component 2 Aim C	Rewrite your production plan.	Students will rewrite there production plan taking into consideration the changes that the teacher has suggested in the previous lesson.	Teacher reviewed.	Teams	
6	Component 2 Aim C	Produce spanner	Marking out of the spanner using marking blue and some marking out tools.	Peer review	N/A	
7	Component 2 Aim C	Produce spanner	Marking out of the spanner using marking blue and some marking out tools.	Peer review	N/A	
8	Component 2 Aim C	Produce spanner	Cutting out and drilling the spanner	Peer review	N/A	
9	Component 2 Aim C	Produce spanner	Cutting out and drilling the spanner	Peer review	N/A	
10	Component 2 Aim C	Produce spanner	Cutting out and drilling the spanner	Peer review	N/A	

**Term Three
Second Half**

1	Component 2 Aim C	Produce spanner	Cutting out and drilling the spanner	Peer review	N/A	
2	Component 2 Aim C	Produce spanner	Cutting out and drilling the spanner	Peer review	N/A	
3	Component 2 Aim C	Record evidence	Students will garter all of the photos that they have taken during the production of the spanner and then use these photos with descriptions as evidence of their work.	Teacher review	Teams	
4	Component 2 Aim C	Record evidence	Students will garter all of the photos that they have taken during the production of the spanner and then use these photos with descriptions as evidence of their work.	Teacher review	Teams	
5	Component 2 Aim C	Record evidence	Students will garter all of the photos that they have taken during the production of the spanner and then use these photos with descriptions as evidence of their work.	Teacher review	Teams	
6	Component 2 Aim C	Quality Control	Students will use a verniercalipers to measure and check the produces spanner against the specification sheet.	Peer review	Teams	
7	Component 2 Aim C	Quality Control	Students will use a verniercalipers to measure and check the produces spanner against the specification sheet.	Peer review	Teams	

8	Component 2 Aim C	Evaluation	Evaluate such areas as; -Planning -manufacture -Improvements	Teacher review	Teams	
9	Component 2 Aim C	Evaluation	Evaluate such areas as; -Planning -manufacture -Improvements	Teacher review	Teams	
10	Component 2 Aim C	Evaluation	Evaluate such areas as; -Planning -manufacture -Improvements	Teacher review	Teams	
11	Component 2 Aim C	Evaluation	Evaluate such areas as; -Planning -manufacture -Improvements	Teacher review	Teams	
12	Component 2 Aim C	Review work completed this half term	Review work completed this term independently.	Make alterations to teams work.	Teams	