

# Grange Academy

## Senior Phase Assessment Overview

### 2024-25

NATIONAL 5 PRACTICAL METALWORKING



Week/Month	Learning Focus	Homework	Assessment	Coursework Submitted to SQA
May				
June	Measuring & marking out induction: Fitting Exercise 1  Measuring & marking out induction: Fitting Exercise 2  Vice Soft Jaws Project			
August	<b>Practical Work</b> Bench Skills Project – Tool Tray Measuring, marking out, cutting and shaping tasks	Weekly homeworks covering: Reading and interpreting drawings Measuring and marking out		
September	<b>Course Theory</b> <ul style="list-style-type: none"> <li>• Measuring &amp; Marking Out Techniques</li> <li>• Bench Tools, Sheet Metalwork Techniques</li> <li>• Bench Fitting, Spot Welding, Pop riveting</li> </ul>	Sheet metal tools and machines Materials theory	Unit Assessment – Tool Tray project and Log Book	
October	<b>Practical Work</b> Machining Project – Junior Hacksaw Introduction to the centre lathe Screw Threads	Weekly homeworks covering: Bench skills – cutting and shaping	Unit Assessment – Junior Hacksaw Project and Log Book	

	<b>Course Theory</b> <ul style="list-style-type: none"> <li>Centre lathe and drilling</li> <li>Machine processes, health and safety</li> </ul>	Machine processes Internal and external threads	Half Term Assessment	
November	<b>Practical Work</b> Fabrication & Thermal Joining Project – Hand Router  <b>Course Theory</b> Finishing methods	Weekly homeworks covering: Finishing methods Welding & heat treatments Sustainability and recycling Safe working practices		
December	Welding methods Heat treatments Sustainability and recycling Safe working practices	Revision for prelim	Unit Assessment – Hand Router project and Log Book	
December	PRELIM			
January	<b>SQA Practical Activity</b> Issued annually by SQA - Worth 70% of Grade	Weekly revision homeworks		
February	Practical Project (55 marks) Log Book (15 marks)			
March	<b>Exam Revision</b> One period per week SQA Question Paper - 60 marks, scaled to 30% of grade		SQA Practical Activity: Internally assessed, externally verified by SQA 70 marks (70%)	
April	Exam Revision SQA Question Paper - 60 marks, scaled to 30% of grade			