



WILBERFORCE
sixth form college

SUMMER BRIDGING WORK

Summer Bridging Work is an important part of your transition to Wilberforce Sixth Form College. This piece of work will count towards your effort grade. Please complete your summer bridging work in time for the start of term.

You are required to bring evidence in paper format and hand this into an Engineering Teacher during your first lesson.

City & Guilds L2 & L3 / EAL Engineering

As part of your Engineering course, you will learn a broad selection of topics ranging from Engineering Mathematics, Engineering Principles through to skills such as Electrical, mechanical, fabrication and design.

Wilberforce have heavily invested in a state-of-the-art engineering block featuring a great investment of all new classrooms and equipment where we will be able to apply theoretical solutions to problems in a practical, workshop and laboratory-based environment.

Task Overview

You must:

1. Research **specific engineering tools** (listed below)
2. Find **two different online prices** for each tool from reputable retailers
3. Record both prices in a table
4. Select the **best (lowest) price** for each tool
5. Calculate the **total cost** of buying all tools at the best prices
6. Explanation of other factors when buying tools besides price

Tools to Research (Be Specific)

You must obtain quotes for the following *exact or equivalent* tools:

1. Digital Vernier Caliper (150mm, ± 0.01 mm accuracy)
2. Outside Micrometer (0–25mm range)
3. Engineers' Steel Rule (300mm)
4. Ball Pein Hammer (16oz)
5. Engineers' Combination Square Set (300mm)
6. Centre Punch (Hardened steel, approx. 100mm)
7. Adjustable Spanner (250mm / 10 inch)
8. Screwdriver Set (Flathead + Phillips, mixed sizes)

Instructions

Step 1: Research

- Use reputable UK retailers (e.g. Screwfix, Toolstation, RS Components, Amazon, Machine Mart, B&Q)
- Ensure prices are:
 - Clearly listed
 - Include VAT (where possible)

Step 2: Record Your Findings

Complete the table below:

Tool	Retailer 1	Price (£)	Retailer 2	Price (£)
Digital Vernier Caliper				
Outside Micrometer				
Steel Rule (300mm)				
Ball Pein Hammer				
Combination Square				
Centre Punch				
Adjustable Spanner				
Screwdriver Set				

Step 3: Total Cost

- Add together all the **best prices**

Total Cost (£): _____

Next Task

- Explain **why price isn't the only factor** when choosing tools
- Consider:
 - Brand reputation
 - Build quality
 - Warranty
 - Reviews

If you have any queries regarding your Summer Bridging Work, please contact me via email dac@wilberforce.ac.uk
I aim to respond before your enrolment appointment, but please remember that we are a very popular subject area.