

## Cause and Effect Words to consider using:

- Since
- Thus
- Consequently
- If... then
- Therefore
- Nevertheless
- This led to
- As a result of
- Because
- Due to
- Resulting in
- Subsequently

## Detailed Response

### 1. Describe what worked well in your design product and explain why you think it worked well.

My caddy design was functional **because** it successfully held and organised the items it was intended for such as tools, kitchen utensils, or craft supplies. The caddy was kept neat and organised **as a result** of the compartments added. The use of both wood glue and nails in the joints ensured that the caddy was durable and could handle the weight of the items without coming apart. Aesthetically, I chose to stain the timber to bring out the natural grain of the wood, **therefore** making the caddy look polished and professional. I was pleased with how the caddy turned out **because** it met the functional requirements of providing a solid, practical storage solution **resulting in** a visually appealing finish.

- Functionality → how does the lever operate?
- Durability → is the timber strong?
- Aesthetics → did it look nice?

### 2. Did you follow the design process very well? Why?/ Why not?

Yes, I followed the design process effectively. I started by clearly defining the problem and creating a design brief, which helped me understand the purpose of the caddy and **therefore** what I wanted to achieve. My research stage involved looking at other caddy designs to see what worked well **resulting in** what could be improved. This **led to** my decision to include compartments. During the planning stage, I sketched several ideas before settling on one design. In the production stage, I focused on ensuring precise cuts and joints. I then tested my caddy to make sure it could hold the intended items without issue **thus** ensuring it met the requirements of my brief.

- Design brief → what was the problem? Did your project fix it?
- Research → what did you learn? What did you add because of it?
- Sketches → did you sketch your multiple designs for your lever?
- Testing → did you test parts of your project to ensure everything fit?

### 3. Are you happy with the materials you chose? Would you make adjustments next time? Why?/ Why not?

I am happy with the materials I chose for the caddy, which were pine, wood glue, and nails for assembly. These materials were strong enough to support the weight of the items and easy to work with **therefore** limiting the number of difficulties that may have arisen in the construction phase. The pine provided a light, clean look and stability for the base. I also found that the glue took longer to dry than expected, which slowed down my work process. **If** I had more time, I

**would have** chosen a faster-drying adhesive, **or** I would have started to glue the pieces together earlier in the process, **therefore** allowing more time for assembly.

- Materials → durability→ is the timber durable/strong?
- Material colour, grain direction?
- Glue time → was it as you expected? why/why not?
- What could be improved?

#### **4. Describe what did not work well in your design product and explain why you think it did not work well. (What difficulties did you face and why?)**

A difficulty I faced was the sanding process. The wood was quite rough in some areas and there were quite a lot of pencil marks, **thus** requiring more time to smooth out. I also had trouble getting the compartments to be perfectly even, **which led** to a slightly uneven appearance in the finished caddy. **To fix this**, I would plan more carefully and take extra time to ensure the cuts are more precise, especially when dividing the compartments. Additionally, I realised I could have used a finish that provided more protection against wear and tear **since** the caddy's surface got scratched more easily than expected after use.

- What did not go well? **REMEMBER → you do not get marked down if something did not go well**
- Reflecting on this, why didn't it, what could be improved?

### **Low Detail Response**

#### **1. Describe what worked well in your design product and explain why you think it worked well.**

The caddy worked well **because** it held everything I wanted it to. The compartments helped keep things organised. The glue and nails held the pieces together, and the finish made it look clean.

#### **2. Did you follow the design process very well? Why?/ Why not?**

I followed the design process, but I didn't go into much detail. I did some basic planning and made a sketch, but I could have thought more about the design before starting.

#### **3. Are you happy with the materials you chose? Would you make adjustments next time? Why?/ Why not?**

The materials worked fine for this project. The pine wood was easy to use, but next time, I might pick a stronger wood to make it more durable. The glue took longer to dry than I expected, so I'd try something faster next time.

#### **4. Describe what did not work well in your design product and explain why you think it did not work well. (What difficulties did you face and why?)**

Some parts of the caddy didn't line up perfectly, which was mostly because I didn't measure as carefully as I should have. I also think the finish could have been better **since** it got scratched pretty easily. **If** I had more time, I would have worked on these areas a bit more.