



**NCCA**

An Chomhairle Náisiúnta  
Curaclaim agus Measúnachta  
National Council for  
Curriculum and Assessment

# Junior Cycle Applied Technology Classroom-Based Assessment 2: Example of Student Work 02

January 2024

# LEARNING LOG

# CBA2

(Classroom Based Assessment)

## Student Self-Analysis & Evaluation

NAME: [REDACTED]

CLASS: [REDACTED]

DATE: [REDACTED]



### LEARNING LOG

**AIM:** I will be able to **reflect** and **evaluate** my skills and knowledge in **Applied Technology** to date.  
This portfolio will guide me to document/record these reflections and evaluations.

**SUCCESS CRITERIA:**

- I can **identify** coursework elements for reflection.
- I am able to gather past work, **analyse & evaluate** my skill strengths and weaknesses.
- I can **inform** my future learning and indicate areas for improvement.
- I can **communicate** my reflections and evidence of learning.

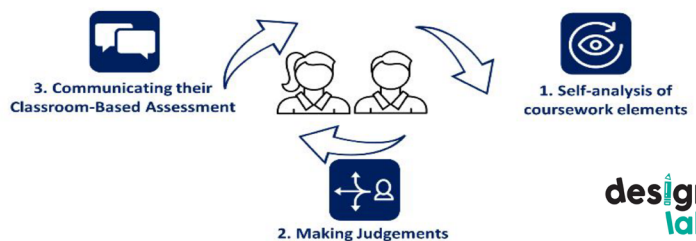


### OVERVIEW:

What do I reflect on?



Students will engage in, and document the three areas of activity which contribute to the generation of their evidence of learning and achievement:



# REFLECTION:

**TASK 1:** Reflecting back over the last couple of years in Applied Technology, Identify a list of "Coursework" work/projects/tasks that you have completed to date.

YEAR 1:

- Keyring/Phone holder
- Movie Clapper
- Inventions and discovery plaque

YEAR 2 & 3:

- CAD
- Display board
- Money Box
- Skills stick



1. Self-analysis of coursework elements

## LEARNING LOG

**TASK 2:** Reflecting on your Coursework List that you completed in Task 1 try to identify a variety of "Coursework Elements" (Skills) and create a list for these with reference to Task 1.

- Cutting
- Sanding
- Marking out
- Sketching
- Filing
- CAD
- Line bending
- Wood burning
- Drilling
- Wiring
- Countersinking
- Vacuum forming
- Research



### SELF-ANALYSIS & EVALUATION

COURSEWORK TITLE: **Movie Clapper**

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## LEARNING LOG

**PROJECT DETAILS:** Describe the project.

The project I assembled was a movie clapper. I decided to choose the movie 'Mean Girls' as the front cover of it. This project consisted of three different parts. The wooden clapping stick and the hinge which then connected to the main part which was the wooden board.

**LEARNING INTENTION:** What am I learning?

From this project I am learning a range of valuable skills and knowledge. I am learning practical skills related to woodwork including marking, cutting, sanding, filing, drilling and assembling. I am also learning safety awareness when I am working with tools and materials as I develop an understanding of safety measures, to ensure I operate in a safe environment and handle tools correctly.

**PRIOR KNOWLEDGE:** What knowledge, skill or experience had I before this task that could relate to it?

Prior to creating this project, I had experience in art and design which was helpful when customizing the clapperboard's appearance. I also had a background in geometry which was beneficial for measurements and construction of the movie clapper.

**COURSEWORK PICTURES:** Add pictures of this coursework or images of material that would reference this coursework in this evaluation.



**Front View**

**Side View**



**Back View**

**COURSEWORK ELEMENTS:** What skills was I focusing on in this coursework?

During this coursework, the main skills I focused on were:

- Marking out
- Cutting
- Filing
- Sanding
- Drilling
- Countersinking
- Drawing
- Wood burning
- Screwing
- Engraving

**KNOWLEDGE GAINED:** What understanding did I gain from this coursework? What do I know now that I didn't know and what can I do now?

From this coursework, I gained an understanding of practical skills, project planning, safety awareness and the importance of accuracy of measurements. From completing this project, I now know the basic woodworking skills, the mechanics of hinges and clapping mechanisms and the safety protocols when working with tools and materials. I can now undertake new DIY projects, customize personal projects and explore other crafts.

**THE EXPERIENCE:** What did I enjoy about this coursework and what did I not enjoy and/or find challenging?

From this coursework I really enjoyed learning new skills such as woodworking. I also enjoyed designing and customizing the clapperboard as I could express my creativity and give a sense of personalization to the project. At the beginning of the project I found it challenging working with new tools but I eventually became familiar with the tools as I went on.

**WONDER:** What if anything did I not understand fully or led me to further questions?

At the beginning of the project I did not have a full understanding of how the hinge and clapping mechanism worked. However, after guidance from the teacher I gained a clearer understanding and was able to complete the project.

**DO OVER:** What would I change or do differently if I had the opportunity to do the task again?

If I had the opportunity to do the task again, I would focus on skill development. I would consider improving my skills through additional training or practice. I also encountered time management issues so I would implement better strategies for scheduling and tracking my project's progress.

**ANALYSIS:** Highlight areas of strengths and areas for improvement after completing and reflecting on this coursework.

**STRENGTHS:**

I think my areas of strength in this project were my filing and sanding skills as I created a clean and polished finish.

**AREA FOR IMPROVEMENT**

An area where I might consider improving in is my precision and measurement skills as my marking out was slightly off and was not completely accurate.

**EVALUATION:** Make judgements on your analysis - What targets could you set for improvement?

**TARGETS FOR IMPROVEMENT**

To improve my precision and measurement skills I can pay closer attention to marking out my measurements accurately and double-checking them with a ruler to ensure their correctness.

**PROJECT DETAILS:** Describe the project.

For this project, I created a money box which is a container used for collecting money. The foundation of the money box was crafted from wood. At the front there is a glass panel which allows users to see their saving progress. The back panel of the money box is made from acrylic. There is also wiring attached to function the money box's rotating mechanism which is controlled by a push button.

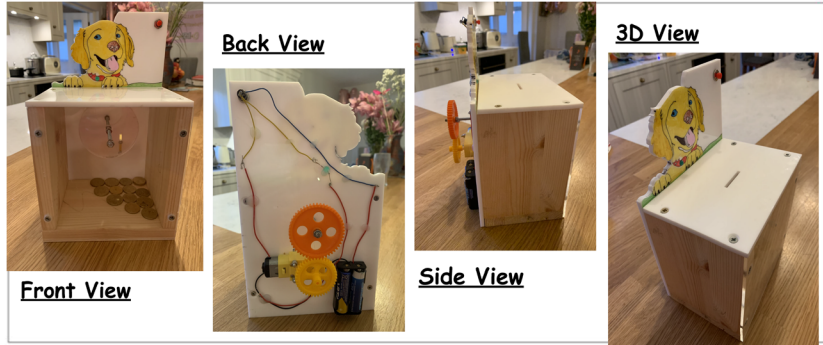
**LEARNING INTENTION:** What am I learning?

I am gaining an insight into the design and engineering aspects of creating a functional and interactive savings tool. I am also learning craftsmanship skills, including woodworking and working with materials like acrylic. I am also improving my CAD skills.

**PRIOR KNOWLEDGE:** What knowledge, skill or experience had I before this task that could relate to it?

Prior to starting this project I was familiar with using CAD which proved to be very beneficial during the CAD related part of the project which was designing the front. This significantly simplified the project for me.

**COURSEWORK PICTURES:** Add pictures of this coursework or images of material that would reference this coursework in this evaluation.



**COURSEWORK ELEMENTS:** What skills was I focusing on in this coursework?

During this coursework, the main skills I focused on were:

- Marking out
- Cutting
- Filing
- Sanding
- Drilling
- Countersinking
- Screwing
- CAD
- Drawing

**KNOWLEDGE GAINED:** What understanding did I gain from this coursework? What do I know now that I didn't know and what can I do now?

From this coursework, I gained technical skills in design, engineering and working with materials like wood, glass and acrylic. I have also elevated my CAD skills. I can now create and design new projects and include CAD in them to enhance the appearance and aesthetic of them.

**THE EXPERIENCE:** What did I enjoy about this coursework and what did I not enjoy and/or find challenging?

I found a lot of enjoyment in the CAD portion of this coursework. Seeing my design on the computer screen being turned into a physical object was very fascinating. Although the CAD aspect was enjoyable, it was also quite challenging at the beginning trying to outline my design on the screen without making mistakes but eventually I completed it.

**WONDER:** What if anything did I not understand fully or led me to further questions?

At first I did not have a full understanding of the spinning mechanism involved in the project but with help from other classmates I was able to grasp it.

**DO OVER:** What would I change or do differently if I had the opportunity to do the task again?

If I had the opportunity to do the task again, I would manage my time more efficiently. If I had more time I would have added more design on the inside part as it was quite bare looking.

**ANALYSIS:** Highlight areas of strengths and areas for improvement after completing and reflecting on this coursework.

**EVALUATION:** Make judgements on your analysis - What targets could you set for improvement?

**STRENGTHS:**

I think my areas of strength in this project were my CAD skills as they added a visually appealing aesthetic to the project, improving its overall appearance.

**AREA FOR IMPROVEMENT**

One aspect where I see room for improvement is my countersinking technique, as I countersunk slightly too deep, resulting in a less than perfect fit for the nails.

**TARGETS FOR IMPROVEMENT**

To improve my countersinking skills in the future, I can focus on a slow and steady approach as I often tend to go too deep. To prevent this, I can add gradual pressure to the drill each time and check the fitting of the nails to ensure they sit securely.

**PROJECT DETAILS:** Describe the project.

This project includes a range of different skills. It is very useful as it acts as a revision and skill builder. Different skills can be practiced and it allows to see which areas are in need of improvement.

**LEARNING INTENTION:** What am I learning?

Through this coursework, I am acquiring a various set of skills, providing an opportunity for hands-on practice and self-assessment. This project is helpful as it showcases my strength, weaknesses and areas that are in need of improvement.

**PRIOR KNOWLEDGE:** What knowledge, skill or experience had I before this task that could relate to it?

Before taking on this project, I had prior knowledge with the majority of the skills that were involved which made the project easier and also sped up the process.

**COURSEWORK PICTURES:** Add pictures of this coursework or images of material that would reference this coursework in this evaluation.



**COURSEWORK ELEMENTS:** What skills was I focusing on in this coursework?

During this coursework, the main skills I was focusing on were:

- Marking out
- Cutting
- Filing
- Sanding
- Drilling & Countersinking
- Vacuum forming
- CAD laser cutting
- Line bending
- Metal bending
- Bolting
- Riveting
- Internal cutting out
- Wood burning

**KNOWLEDGE GAINED:** What understanding did I gain from this coursework? What do I know now that I didn't know and what can I do now?

From this coursework, I gained an understanding of how to do a number of different skills. I also learned my strengths, weaknesses and areas that are in need of improvement. I can now create more improved and innovative projects with the skills that I have.

**THE EXPERIENCE:** What did I enjoy about this coursework and what did I not enjoy and/or find challenging?

I enjoyed working on the parts of the project that I already had an existing knowledge of as it was a chance for me to practice and improve my skills. I found it quite difficult to drill through the acrylic part without breaking it as I often drilled too close to the edge. After a few attempts I finally completed it.

**WONDER:** What if anything did I not understand fully or led me to further questions?

At the start, I did not fully understand how the vacuum forming worked as it was the first time I had heard of it. After guidance from the teacher and being showed how it was done I was able to understand how the process worked and quickly realised it was not as complicated as I thought it would be.

**DO OVER:** What would I change or do differently if I had the opportunity to do the task again?

If I had the opportunity to do the task again, I would have chosen a different and more easier design for the vacuum forming as I found it quite difficult trying to cut, file and sand in between the small curves and bends that were on it.

**ANALYSIS:** Highlight areas of strengths and areas for improvement after completing and reflecting on this coursework.

**EVALUATION:** Make judgements on your analysis - What targets could you set for improvement?

**STRENGTHS:**

I think my areas of strength in this project were my line bending skills as I was able to bend the acrylic accurately and precisely.

**AREA FOR IMPROVEMENT**

I think the areas I need improving in are my cutting and drilling skills. In future I need to make sure I do not cut too much off or drill too close to edges.

**TARGETS FOR IMPROVEMENT**

To improve my cutting skills, I can focus on taking it at a slower pace and not rushing to get it finished to ensure that I am more accurate when cutting. To improve my drilling, I can check my measurements before I begin and ensure the point is in the correct spot and not too close to the edge.

# CONCLUSION:

**CONCLUDING ANALYSIS:** Reflecting back over all your Learning log sheets and coursework reflections, give an overall summary of your strengths and areas for improvement.

## **STRENGTHS:**

Over the last three years in my technology class, I've developed many useful skills. I've become quite experienced at filing and sanding materials with precision, which helps me create smooth and well-finished projects. CAD design has also become one of my strengths, allowing me to plan and visualize projects effectively. Furthermore, I've become quite skilled at line bending, a method for shaping materials, which helps me craft special and practical designs. These strengths have greatly improved the quality of my work.

## **AREAS FOR IMPROVEMENT:**

Over the past three years, I've identified several key areas where I've recognized room for improvement. Precision and measurement have been a slight challenge, and I've recognized the need to improve my accuracy in these aspects to ensure that my projects are built to exact specifications. Additionally, my countersinking skills are in need of improvement since I tend to make the countersink too deep. My cutting and drilling skills also need some development as I struggle with the accuracy of them sometimes. Perfecting these techniques will allow me to work more efficiently and produce cleaner and better results.



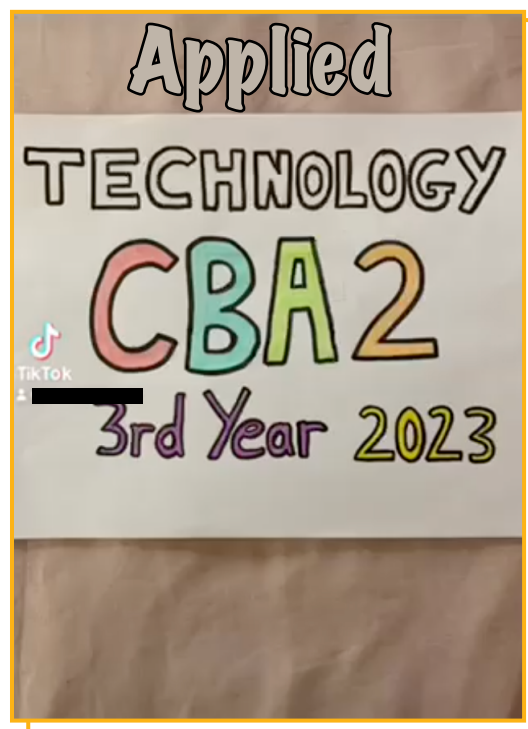
1. Self-analysis of coursework elements

## LEARNING LOG

**TARGETS:** Make judgements on your analysis, set targets and make decisions to reflect the areas where improvement and progression is required.

To tackle my areas of improvement, I will set specific targets for each skill. To enhance my precision and measurement skills, I plan to be more dedicated in marking measurements accurately and verify them with a ruler consistently. For countersinking, I aim to practice a slower and more controlled approach, gradually applying pressure when drilling, and verifying the nail fit to prevent over-sinking. To improve cutting, I'll prioritize a measured and steadier pace instead of rushing. Lastly, for drilling, I'll double-check my measurements before starting, ensuring the drill point is correctly positioned and not too close to the edge. These objectives will help me in tackling and developing the areas I've identified as weaknesses through my analysis of coursework.

design  
lab



This student also created the above TikTok video [which can be viewed here](#)

## Teacher annotations using the Features of Quality

The annotations capture observations by the teacher, using the features of quality, with a view to establishing the level of achievement this work reflects. The annotations and judgments were confirmed by a Quality Assurance group, consisting of practising teachers and representatives of the NCCA, the Inspectorate, the State Examinations Commission and the Oide support service.

### Teacher annotations

#### Self-analysis of coursework elements:

The student identified a comprehensive range of coursework elements over the course of 1st, 2nd and 3rd year. This was evidenced using lists in the learning log. This allowed them to make insightful detailed observations in relation to each coursework element presented and to conduct a comprehensive self analysis on the development of their skills to date.

#### Making judgements:

Using prompt questions, the student revealed how they perceived and evaluated their own coursework experience and skill attainment. They presented and evidenced their strengths and weaknesses, using both written and visual materials. They also demonstrated a convincing awareness of their level of ability developed in 1st, 2nd, and 3rd year, and provided specific targets for improvement in each case.

#### Communicating their CBA:

The presentation was highly engaging, and the information was communicated in a highly effective manner. This was achieved using a learning log and a video, which included animated text and a voice over. The student gave a clear and concise account and picture of their skill attainment that was developed through the coursework presented to date.

Overall judgement:  Exceptional

