





Sample activity to develop task sequencing skills

This resource was developed as part of an Applied Technology 2020/2021 CPD webinar "Developing Project Management Skills in

Applied Technology" which took place on the 2nd November 2020. All materials used during this webinar can be viewed in the Technologies section of <u>www.jct.ie</u> within the Elective Workshops tile.

Website Link:

https://www.jct.ie/technologies/cpd_supports_applied_technology_elective_workshops

During the webinar, attendees considered the purpose of developing task sequencing skills as part of a project management process. The learning experiences below showcase an Applied Technology teachers' approach in providing opportunities for students to develop project management skills. These activities explore how students can break down tasks into a series of sequenced steps.

What is included in this PDF?

Included in this resource are three suggested sample activities focused on developing task sequencing skills.

- Task 1 Life is full of projects
- Task 2 Understanding Sequencing
- Task 3 Understanding Sequencing

A big thank you to the teachers and students involved for making this resource available to the JCt4 Applied Technology team.

Note: It is recommended that you watch the Elective webinar to contextualise the purpose of this resource

Junior Cycle Applied Technology Life is full of projects – Task 1

Task 1

In this task, we will discover that life is full of projects, some of which we do at home or some of which we do at school. This strategy explores our understanding of what is meant by project management and how project management is experienced in many aspects of our lives.

Step 1:

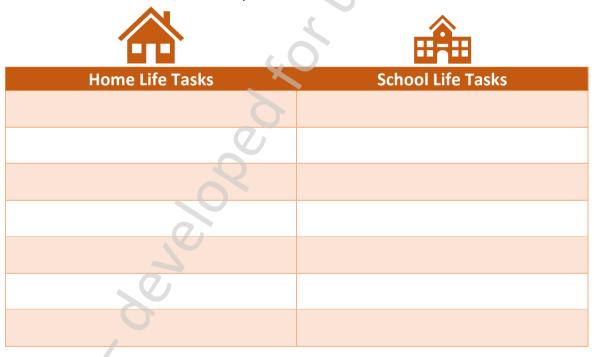
Watch the video 'Project Management Process'

Step 2:

Discuss and debate "What is project management?" with your students. Students could capture their discussion visually using a mind map.

Step 3:

Create a list of some tasks/activities you do at home and at school.



Step 4:

How can your experiences of task management at home help you when managing projects in the Applied Technology classroom?



This resource was created to support a Professional Development webinar facilitated by JCt4 during the 2020-2021 school year and sits within the context of the discussions that took place during this webinar.







Junior Cycle Applied Technology Understanding Sequencing – Task 2

Task 2

In this activity, we are going to learn how to break down a task into a series of steps. It is very useful for complex projects to break the project down into smaller steps. We will approach this task in three steps:

Step 1:

First, we must set our goal, for example, to make a cup of tea.

Step 2:

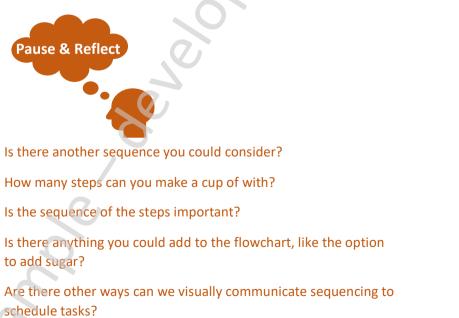
List the ingredients and the equipment needed to make a cup of tea.

Ingredients	water, teabag, milk	0
Equipment	kettle, cup, spoon	

Step 3:

Now we need to **create a sequence of tasks** to complete this activity. Here we communicated this information using a simple **flowchart** and focusing on a correct sequence.

Students could simply draw out a flowchart on paper or use PowerPoint to create their flowchart.







Junior Cycle Applied Technology Understanding Sequencing – Task 3

Task 3

Sequencing in the Applied Technology classroom

In this task, students are asked to apply their knowledge from the previous two activities. Here we use an acrylic stop sign for the purpose of this sequencing task. Alternatively, you could use a similar part from your own classroom.

Step 1

Consider the stop sign shown in the image and break down the steps to manufacture this part into sub-tasks, e.g. marking out, drilling, cutting, shaping, etc.

Step 2

Complete the sequence of tasks to allow for the part to be created in the most efficient order.

Step 3

Students could communicate the main steps in manufacturing this part using a visual representation of the sequence, e.g. using a simple linear flowchart.



Acrylic Stop Sign

