

INTRODUCTION TO PROJECTS

In this worksheet you will work with the most important steps in a project, and the operations needed to get a wooden object and the most typical tools.

1. The following are the most important steps to follow in order to do a technological project. Put them in order:

- A) Draw the object you want to make to solve the problem, giving as many details as possible and the most important measurements.
- B) Collect all the information you have generated in the project and write a report.
- C) Evaluate if the object you created solves the problem and fulfills all the requirements.
- D) Draw all the pieces that your object will have with all their measurements, deciding the materials and tools you will need to build it.
- E) Identify what you have to solve and understand all the requirements.
- F) Get the pieces needed to make the object from the materials provided, join them together and improve its appearance Think about the problem and search the information you need to find a good solution.

Right order: _____

2. Give a name to each of the steps in the previous activity.

3. Decide which is the right order of the operations needed to build a wooden box in the workshop, after designing it and planning how to make it.

- a) Saw the pieces of wood to get each part.
- b) Draw each part of the box in the piece of wood using the right measurements.
- c) Join the parts with glue. Use nails or screws if you need to reinforce the joining.
- d) Tighten the piece of wood so it can be safely sawed.
- e) Make the borders smooth by filing or sanding them.
- f) Polish and paint the box to improve its appearance.
- g) Get the appropriate pieces of wood for each part of the box.

Right order: _____

4. What tools and instruments do you need for each of the operations in the previous activity?

5. Take down the name of all the tools we have in the workshop, both in English and Spanish.