

PROCEDURES**SSC2 – TECH****CREATING THE CONTEXT****I ask myself questions**

- Define the complex terms used at the beginning of the learning situation.
- Determine who is involved in this learning situation.
- Formulate the questions that need to be asked. (If necessary, consider social, environmental, economic and ethical aspects.) These questions will help guide the information-gathering process.

I must

- Reformulate the goal of the problem to be solved in one's own words.

I think

- Express an opinion or propose a tentative explanation.

What I know and what I must find out

- Record what information is known and what needs to be found.

I prepare my work

- Determine where the information could be found and who needs to be asked.
- Define, in chronological order, the principal steps of the work to be done.

Reflection

Do I have a good understanding of what I must do?

Yes

☐

No

☐

GATHERING INFORMATION

I do research

- Define the key terms and the concepts involved.
- Observe the object or the system; take it apart, if necessary. Observe its different parts and mechanisms.

I analyze my results

- Do a design plan, if appropriate.
- Do a technical diagram, if appropriate.

Reflection

Yes No

Do I have a good understanding of the technological (and/or scientific) concepts involved in this situation?

☐☐

COMPLETING THE PROJECT

I make suggestions

- Propose a solution (or an explanation) for the problem.

Reflection

Yes No

Have I thought of other possible solutions (or explanations)?

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VALIDATING THE PROJECT

I justify my approach

- Justify your solution (or explanation) using the information gathered during your analysis of the appropriate technological (or scientific) concepts.
- Identify the advantages and the disadvantages of the proposed solution (or explanation).