

PROCEDURES**SSC1 – TECH****CREATING THE CONTEXT****I ask myself questions**

- Research the technological (and scientific) concepts related to the problem to be solved.
- Define the key terms.

I must

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

I think

- Determine the design solution best suited to the technical object using a design plan.

Reflection

Yes No

Does my design plan take the specifications into consideration?

☐☐

Do I have a good understanding of the technological (and scientific) concepts related to the problem to be solved?

☐☐**PLANNING THE PROBLEM SOLVING****I plan**

- Draw one or more technical diagrams of the technical object.
- Make a list of materials necessary to construct the technical object.

Reflection

Yes No

Have I thought of other possible scenarios for the construction of my technical object?

☐☐

Name: _____

Group: _____

INITIATING THE PROBLEM SOLVING

I construct a prototype

- Construct the object according to the technical diagram.
- If necessary, make modifications to the plan (technical diagram, list of equipment and materials). Record and justify each modification.
- Respect safety rules at all times.

Reflection

Yes No

Did I record and explain all of the modifications I made to my plan of action?

☐☐

THE FINAL TEST

I evaluate my prototype

- Verify that the object fulfils its overall purpose.
- Verify that all of the specifications have been respected.
- List any difficulties that may have been encountered in constructing the object.
- Suggest improvements to the design and construction of the object.