TECHNICAL MEMORY OF THE TECHNOLOGY PROJECT

Project title: An electric car .
Proposal: Design and build a car which moves backwards and forwards, controled with a cross key.
Conditions:

- Use recycled materials.
- Chassis:A plastic shampoo, gel or conditioner bottle
- Hinges: Wire, lolipop sticks, chop sticks.
- Wheels: Water bottle top, chocolate milk botle top...
- Control the movement by making a cross key.

Group photo:

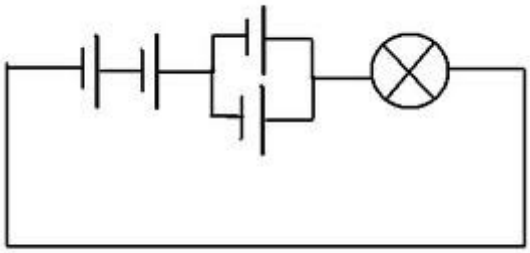
Elena, Judit and Xisca.

Share out the tasks in the group.
Coordinator: Judit Gomariz Ferragut
Searches for and leaves the projects in the store. Receives instructions from the teacher and transmits them to the group. Searches for the material and the special tools that are needed. Is responsible for the documents requested by the teacher.

Tools: Xisca Sastre Jones
Must control at all times that the tool board is complete and notify the teacher if something is missing.

Cleaning: Elena Soler Quert
Must make sure that the groups workspace and table are clean and tidy.

RESEARCH INFORMATION: Describe briefly your knowledge and investigations prior to the project.

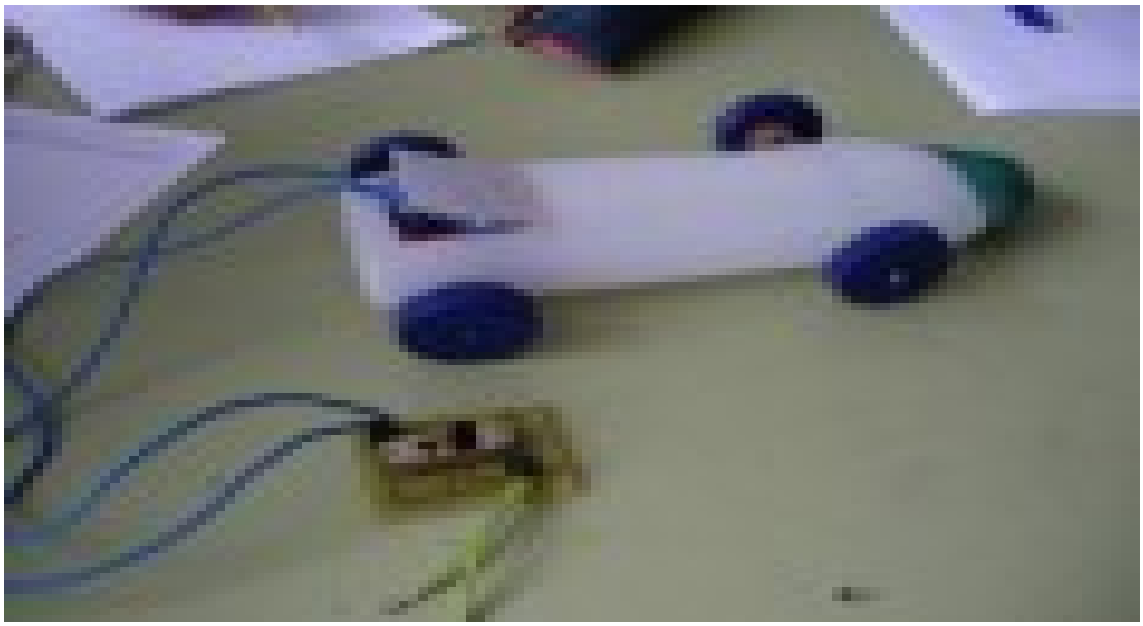


Cross key switch to change direction of motor.

Process of building the circuit.

Process of soldering tin.

Sketch of the project that you intend to build.



Provision of the tools and materials needed:

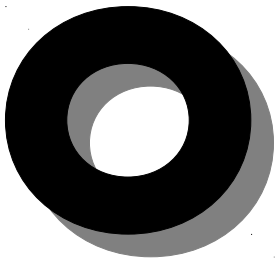
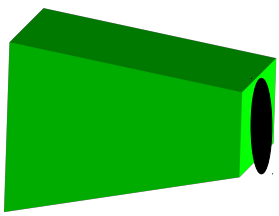
Tools:

Ruler, silicone gun, soldering iron, cutter, scissors, saw, small screwdriver, pliers, bank screw.

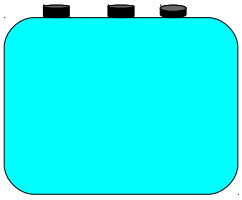
Material:

Shampoo bottle, bottle tops, cables, battery, motor, bottle corks, circuit.

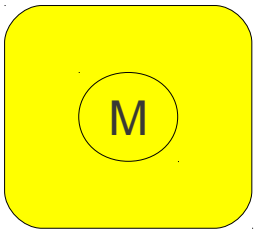
Manufacturing process: Draw a detailed sketch of the parts needed for the project, in the same order that they are needed.As well as the pupil in charge of its fabrication.

Name of the part	amount	sketch	Function, material,tools.
1.Wheel bottle	4	5 cm 	Movement, it's a top.
2.Body motor. A gel	1	28 cm 	It's the chassis, it protects the bottle.

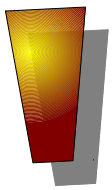
3. Battery **1** **6'2 cm** **It transmits the energy to the circuit .**



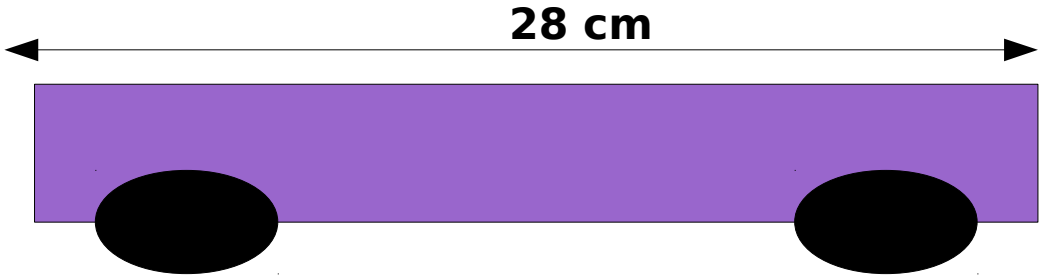
4.Motor of the car **1** **5'7 cm** **It is the ''heart''**

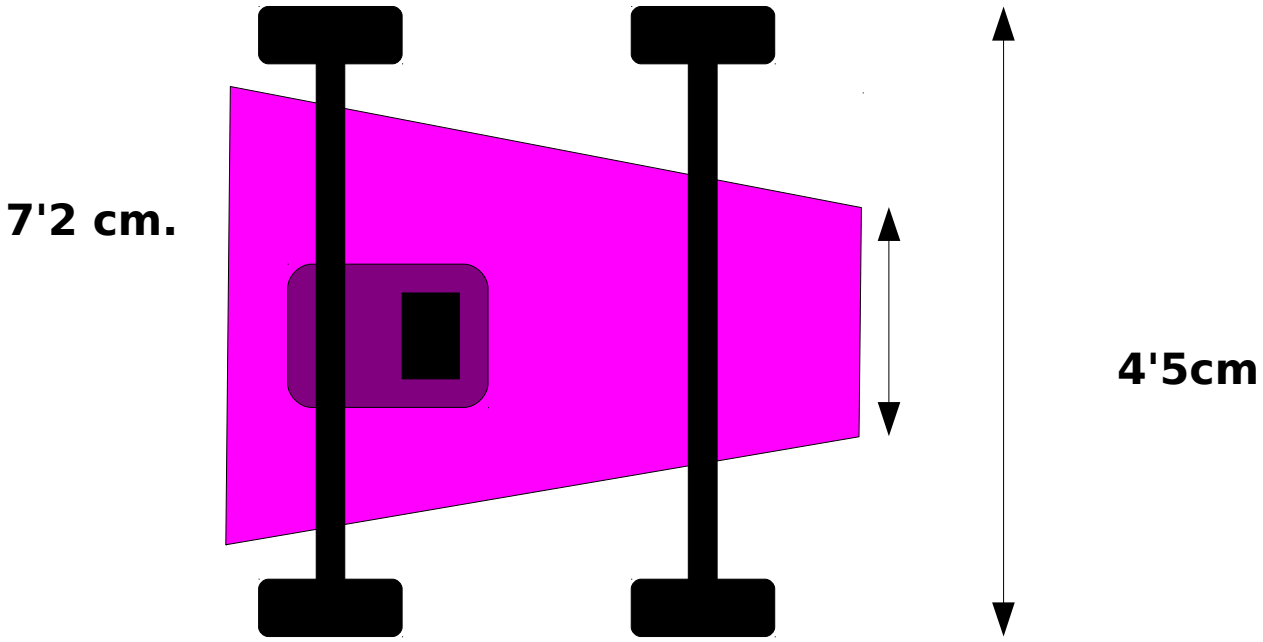


5.Cork **4** **It's used to attach the wheels to the body of the car.**



A plan of the built object. With details of the main measurements.





Main problems encountered and the solutions applied.

The main problems were:

- That one of the wheels kept falling off
- The reverse gear did not work
- We made the hole for the motor too big.

The solutions were:

- To stick the wheel with silicone.
- No solution found.
- No solution found.