2

Our innovation

2.1. WE WORK WHAT INNOVATION MEANS

Meet the team and discuss in group what innovation means for you. Make your own hypothesis in the space below. As far as you concern, what is the difference between innovation and invention?

We believe that innovation is ....

2.2. MAKING THE INNOVATION WORKSHOP

Among the resources you will find in your virtual space in the digital platform, you'll work with your teacher the concept of innovation and what has meant for mankind the creation of innovations throughout the History. Take annotations about the key ideas from the workshop in the space below.

The most important ideas in the workshop are....

2.3. FINDING OUT ABOUT INNOVATION

In the Innovation Workshop you've learnt the concept of innovation and how we, humans, are able to take advantage from it as a benefit. Now, it's your turn to find out innovation examples by your own.

Check several of the main technological areas developed by mankind. You have to find examples in the History in which the introduction of an innovation has meant a technological, scientific or social advancement. Make a brief description of the historical context of the innovation in the proper space and try to find a picture in relation with the innovation. You may even include a drawing made by you which describes the innovation.

Technical Area	TAKING ADVANTAGE OF THE ENERGY
	[Paste a picture or drawing of the innovation]

Technical Area	THE USE OF WOOD AND TIMBER
	[Paste a picture or drawing of the innovation]

Technical Area	METAL MATERIALS
	[Paste a picture or drawing of the innovation]

Technical Area	MECHANISMS AND STRUCTURES
	[Paste a picture or drawing of the innovation]

Technical Area	ELECTRICITY
	[Paste a picture or drawing of the innovation]

Technical Area	DRAWINGS AND DESIGNS
	[Paste a picture or drawing of the innovation]

Technical Area	COMPUTERS AND SOFWARE
	[Paste a picture or drawing of the innovation]

2.4. REINFORCING THE CONCEPT OF INNOVATION

Previously in this section you have defined what innovation is for you. Now you've worked on the workshop and have found examples, you have to write, confirming or correcting what you think about the concept of innovation. Describe about you were thinking before and what you think now and explain what you have newly learnt.

We were thinking that Innovation was ....

But, actually Innovation is ....

2.5. WE FIND PROBLEMS AND NEEDS TO GENERATE IDEAS TO FIX THEM

The technique of "*Brainstorming*" is often applied in the teams when it comes to finding solutions to a given problem. In this case, you have to think of how things could be improved if an innovation is incorporated in people's lives, in people's works, when performing some task, etc. For the exercise to be successful, one of you will act as secretary of the meeting and take annotations of all the expressed ideas. Be aware that no matter how the idea can be carried out or not, that is, no matter where feasible. The only important thing in this exercise is that you have to release your mind and tell everything you can think of.
Take a look to this video clip first → http://www.youtube.com/watch?v=cjeJ60zQ8-E

Our innovative ideas are:

2.6. APPLYING RESTRAINTS TO OUR IDEAS

Through the previous exercise, you have made a list of innovative ideas. Now it's the moment to analyze whether possible to carry them out or not. Make a selection of those ideas that fit with the following conditions:

The ideas that could be made with current technology are ....

The ideas that are not expensive to make and that are economically feasible are...

Las ideas que seríamos capaces de fabricar son....

From the previous lists, think of three ideas that could positively respond to the three questions and write them in the following table. Put them a name in relation with what it is. You will be working with them in the following section.

IDEA 1:

IDEA 2:

IDEA 3: