

INVENTIONS OF OUR LIFE

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Objective

Present a project about the inventions that have shaped and will shape our lives.

Format and language

White A4 paper, inside of a plastic cover. **Everything must be done hand-made** (drawings too). The work must be done **in English**.

Invents

Although from a very early stage mankind used his imagination to analyse human needs and provide a technical solution to those limitations, we are going to research inventions of the past two centuries (XIX, XX and XXI). You will be put into groups (teams) of 3 or 4 students that will become experts on these inventions and present them (invention sheets) based on several application areas or categories, in particular the following:

1. Communications: fax, printing, telephone, telegraph, newspaper, radio, television, Morse code.
2. Transportation and energy: steam machine, GPS, radar, bicycle, car, train, plane, ship, submarine, electricity.
3. Health: vaccine, microscope, anaesthesia, insulin, penicillin, transplants, ultrasound, X-rays, magnetic resonance.
4. Home, leisure and everyday life: home automation, air conditioning, microwave, washer machine, dishwasher, cooking robot.
5. Electronics and new technologies: calculator, CD and DVD, fibre optics, recorder, laser, microchip, PC, transistor, video, mobile phone and smart-phone, computer, webcam, printer (and printer 3D), Internet, Google, social networking (Twitter, Facebook, Instagram,...)
6. Space: spacecraft, artificial satellites, telescope, space suit, space shuttles

I will raffle each category between the different experts group, then, inside the group you will choose by yourself the invention you will research about individually.

The work would have two parts, the first one is a written one, the second one is an oral presentation to the class.

Written part

There is not a minimum or a maximum of pages, because every invent is different, but you should study this **aspects**:

1. What is the invention, what is it used for, how it is inside, how it works.
2. The history and evolution of the invention alongside the time.
3. Key people in their development (who was the pioneer, inventor, companies involved)
4. Why is a device or service interesting, what need solves.
5. Different models (not brands, different types of the invent).
6. Unknown and striking aspects of interest of the invent.

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7. Personal opinion about how do you imagine their future, or can you think of a better invention to replace it (and turn it into museum object ...), think a little in this part and don't write down the first idea that comes to your head.

Do the work as visually as possible, with drawings done by yourself for every part of the work.

Of course, the work must have the better presentation you can achieve: a good cover (the first page must have the name of your invent, a properly drawing and your name), good letter, more than one pen colour, clean pages, etc.

Include the bibliography you have used in order to elaborate the contents, I advice you to use, almost, three different fonts and not only the first one you find.

The work must be delivered within a month approximately and should be presented orally to the entire class,

Aspects to be assessed in the writed work:

- job content (review the differents aspects that you must talk about)
- images or pictures that you have included in the work
- your personal opinion about the invent.
- the bibliography used.
- cleaning, calligraphy and presentation of the work.
- correct grammar and spelling.
- The effort used.

Oral part

After I will return you the writed part evaluated, for which you can make use of a digital presentation tool (Impress, glogster, Prezi, etc.) or you can bring the invention your work is about with you. Each group will present together, and it would be nice if there was a presentation to the class of the category that you have worked on.

Aspects to be assessed in the oral presentation:

- Your argument during the oral presentation to the class work
- The digital presentation used to support your oral presentation
- The level of knowledge of the subject and the process followed
- The non-verbal aspects (body position, eye-contact, etc.)

Assesment Rubric

You can view the assessment rubric on the next document.