

## LEARNING CARD

# Getting to know a computer

**Description** This activity will allow students to be able to follow a sequence of phases in order to assemble a PC. Students will make a video for YouTube and will thus use different tools and digital applications.

---

**Tag**

- Blog
- Graphic
- Video
- Videogames
- Web
- Youtube

---

**Skills**

**PRODUCTION**

- To create and modify audiovisual productions
- To create and modify graphic productions
- To use filming and editing tools
- To use photographic and editing tools
- To modify software and hardware
- To code software and build hardware
- To modify software and hardware

**CONTENT MANAGEMENT**

- To search, select and download
- To manage content archives
- To manage content dissemination and sharing

**SOCIAL MANAGEMENT**

- To participate in social media
- To coordinate and lead
- To teach

**MEDIA AND TECHNOLOGY**

- To recognize and describe
- To take action and to apply

**NARRATIVE AND AESTHETICS**

- To evaluate and reflect
- To take action and to apply

**PERFORMANCE**

- To act

**RISK PREVENTION**

- To recognize and describe
- To evaluate and reflect
- To take action and to apply

---

**Learning areas** • Technologies

---

**Card language** • English  
• Spanish  
• Italian

---

## Structure

---

<b>Sessions</b>	7 (Variable)
<b>Duration</b>	50' (Variable)
<b>Number of participants</b>	20/30
<b>Age</b>	<ul style="list-style-type: none"><li>• 14-16</li><li>• 17-18</li></ul>
<b>Materials</b>	<ul style="list-style-type: none"><li>• Phone to record</li><li>• Own computer</li><li>• Hardware simulator</li><li>• Editing software</li><li>• In addition (optional), parts of the pc hardware to be assembled may be provided by the teacher</li></ul>

---

## Process

---

<b>Key questions</b>	<ul style="list-style-type: none"><li>• What do students know about these technological contents?</li><li>• How can they produce a video?</li><li>• What knowledge do you have about hardware?</li><li>• What precautions do you have to have with a computer?</li></ul>
<b>Development</b>	<p><i>(The number of sessions is indicative)</i></p> <p>The class is divided into groups of several students. The goal is to practice how they would assemble a computer and how they would explain it later to their classmates through an audiovisual production. The idea is that the video has a short duration and that it is rhythmic, simulating the language of the videos made for YouTube.</p> <p>Information search through different sources on how to build a computer. (1 session)</p> <p>Simulation and rating of results through computer creation simulation software. (1 session)</p> <p>Practice in the laboratory on how to assemble the computer. (2 sessions)</p> <p>Recording and editing video-tutorials. 2 sessions</p> <p>Exhibition and realization of a graphic display of how the different computers were constructed. 1 session</p> <p>Video tutorials made by students are screened. 1 session</p> <p><i>(In the case that a group wants to upload their video to YouTube, it is necessary to take into account the age of the young people and request the corresponding permission from their parents and/or guardians as well as the school).</i></p>
<b>Evaluation</b>	<p>The evaluation should be based on the following contents and/or competences:</p> <ul style="list-style-type: none"><li>• In groups and in a timed way, they compete to obtain the best score in the simulator. The two best groups will be rewarded with a bonus in their note.</li><li>• The exhibition of the graphic display: the clarity of the concepts and the objective rigor of the procedure should be assessed. The means used to make the exhibition should also be assessed.</li><li>• The video should be well planned, pedagogical and creative. The production and the equal participation of all the members of the group should be valued.</li></ul> <p>Objective evaluation carried out during the sessions in the laboratory.</p> <p>Degree of involvement of each student.</p>
<b>References for professors</b>	<ul style="list-style-type: none"><li>• <a href="https://claudiu-kiss.itch.io/pc-building-simulator">https://claudiu-kiss.itch.io/pc-building-simulator</a></li><li>• YouTube tutorials</li><li>• <a href="https://www.xataka.com/">https://www.xataka.com/</a></li><li>• <a href="http://www.tomshardware.com/">http://www.tomshardware.com/</a></li></ul>
<b>Author</b>	<p>Pedro Collar Castro. CSEU La Salle, Spain - <a href="mailto:201001640@campuslasalle.es">201001640@campuslasalle.es</a></p> <p>Leonardo Parra. Teaching staff at La Salle Grifón, Spain - <a href="mailto:lparra@lasallegrinon.es">lparra@lasallegrinon.es</a></p> <p>Raul García. La Salle Institution, Spain - <a href="mailto:rgarcia@institucionlasalle.es">rgarcia@institucionlasalle.es</a></p>