

Computer science by learning about the European Union_ Impress

1st teaching period

1st Activity: Introduction

Time: 10'

Type of activity: initial activity

Class organisation: class work

Actions/Tasks: Teacher explains what the goal of these sessions is: to learn the basic tools of a creating and editing spreadsheets, slideshows, diagrams and drawings program (LibreOffice) by learning basic concepts from the European Union.

LibreOffice is a free and open-source office productivity software. It was forked in 2010 from [OpenOffice.org](https://www.openoffice.org), an open-sourced version of the earlier [StarOffice](https://www.staroffice.com). The LibreOffice suite consists of programs for word processing, creating and editing of spreadsheets, slideshows, diagrams and drawings, working with databases, and composing mathematical formulae. It is available in 115 languages. LibreOffice uses the OpenDocument standard as its native file format, but supports formats of most other major office suites, including Microsoft Office, through a variety of import and export filters. LibreOffice is available for a variety of computing platforms, with official support for Microsoft Windows, macOS and Linux.

It is advisable for all students to have the same processor installed, LibreOffice can be freely downloaded from the official page: <https://www.libreoffice.org/download/download/>

2nd Activity: Create a new presentation_1

Time: 15'

Type of activity: reading activity

Class organisation: pair work

Actions/Tasks: Students read instructions of task 1 about how to create a new presentation in pairs. In this way doubts can be resolved between them.

3rd Activity: Create a new presentation_2

Time: 25'

Type of activity: impress activity

Class organisation: individual work

Actions/Tasks: Students prepare their first presentation. They must follow the instructions: prepare three slides in the format indicated, search for a map of Europe and search for which countries belong to the European Union in order to point them to the map. Finally, they must record the presentation ready as activity_01.odp. If necessary, teacher can show them the example presentation: task_01.odp

4th Activity: Which countries belong to the European Union?

Time: 10'

Type of activity: speaking activity

Class organisation: group work

Actions/Tasks: In groups of 4 or 5 members, students share the presentations prepared to see whether all the countries belonging to the European Union have found each other. As a final activity, the teacher can show the [list of countries](#) and see if all are reflected in any of the presentations

2nd teaching period

1st Activity: Introduction

Time: 10'

Type of activity: teacher introduction

Class organisation: class work

Actions/Tasks: Teacher explains the goal of activity: we belong to the European Union because our country belongs to it, but it is important to understand how we belong to it. Each of us is an individual who live in a very different environment and who brings our differences and similarities to the European Union.

It is therefore important that we put our context in place. In this activity we will prepare a presentation where we will try to specify it.

2nd Activity: Presentation format

Time: 30'

Type of activity: exploring functions

Class organisation: individual work

Actions/Tasks: Each student prepares an 8-slides presentation taking into account the formatting aspects that are indicated in task 2. It is specified the type of format of each slide (title, title and content, title and 2, 3 contents, ...) and what information they should introduce into them. From what is its neighborhood, its city, its county, its province, the region, the country, ... If necessary, teacher can show them the example presentation: task_02.odp

Students should record the presentation ready as activity_02.odp and they should look at whether the presentation takes up a lot of space and in this case follow the instructions on how to compress a file that is indicated in task 2

3rd Activity: What would be the presentation of a student like us from...?

Time: 20'

Type of activity: searching information and speaking

Class organisation: group work

Actions/Tasks: In small groups students should think about how a boy or a girl from another European Union country like them would have prepared the presentation. They can all prepare a presentation as if they were the student of the other country and then share it with the rest of the class.

3rd teaching period

1st Activity: Animation functions

Time: 10'

Type of activity: reading

Class organisation: pair work

Actions/Tasks: Students read instructions about different functions to introduce animations in pairs. In this way doubts can be resolved between them.

2nd Activity: Entrance animations

Time: 40'

Type of activity: exploring functions

Class organisation: individual work

Actions/Tasks: They must prepare the first two slides out of a total of six. The first must seek three basic principles of the European Union and write them with the format indicated. Secondly, they must search a political map of the European Union and introduce into text boxes the names of those who belong to the European Union and who appear. Finally, they must record the presentation ready as activity_03.odp. If necessary, teacher can show them the example presentation: task_03.odp

3rd Activity: Principles of the European Union

Time: 10'

Type of activity: revision activity

Class organisation: class work

Actions/Tasks: Once the activity has ended, teacher with all the students can reflect on the basic principles on which the European Union is founded: [Aims and values of EU](#)

4th teaching period

1st Activity: Emphasis animations

Time: 15'

Type of activity: exploring emphasis animations

Class organisation: individual or pair work

Actions/Taskss: In the third slide, students make two columns to relate with an emphasis animation. A column with 10 of the languages of the European Union and the other with the years that began to be official: [official languages EU](#)

2nd Activity: Exit animations

Time: 15'

Type of activity: exploring exit animations

Class organisation: individual or pair work

Actions/Tasks: In the fourth slide, students have to prepare a "hidden image game": they have to find the flags of the Member States of the European Union, chose one and use it as

the hidden image. They must record the presentation ready as activity_03.odp. If necessary, teacher can show them the example presentation: task_03.odp

3rd Activity: Motion paths animations

Time: 20'

Type of activity: exploring motion paths animations

Class organisation: individual work

Actions/Tasks: Using motion path animation and following instructions, in the fifth slide students choose six or more flags from countries belonging to the European Union and make the relationship with the name of the country. Finally, they should record the presentation ready as activity_03.odp. If necessary, teacher can show them the example presentation: task_03.odp

4th Activity: What have we learn?

Time: 10'

Type of activity: speaking activity

Class organisation: group work

Actions/Tasks: In groups of 4 or 5 members, students share the presentations prepared.

5th Activity: Homework

Time: 15'

Type of activity: homework

Class organisation: individual work

Actions/Tasks: To practice more on the possibilities of motion paths animation, in the sixth slide, students prepare an activity to locate the major rivers of Europe and name them. Finally, they record the presentation ready as activity_03.odp and send it to the teacher.

5th teaching period

1st Activity: Multimedia reading

Time: 10'

Type of activity: reading activity

Class organisation: pair work

Actions/Tasks: Students read instructions of task 4 about media resources and transitions. In this way doubts can be resolved between them.

2nd Activity: Multimedia functions

Time: 30'

Type of activity: exploring multimedia resources and transition functions

Class organisation: group work

Actions/Tasks: In groups of 3 or 4, students prepare the final presentation according to

instructions. They must record the video that will then link to the activity. In this video they must summarize all the things they have learned during the teachings periods about the European Union. They should add links, videos and images indicated in the activity. They must record the presentation ready as activity_04.odp.

3rd Activity: EU revision

Time: 20'

Type of activity: revision

Class organisation: class work

Actions/Tasks: During all activities, students have been looking for information about the European Union. As a final activity, it is important that teacher can review the whole treaty with the students. One possibility is to share all the final presentations and then to make a joint review of all of them.