

Europeana Learning Scenario

Title

Charles Darwin – scientific and cultural impact of his scientific work

Author(s)

Fernando Reis

Summary

Table of summary

Subject	History, Art, Civic Education
Topic	The scientific and social impact of Darwin’s work through the exploration, reading and interpretation of illustrations
Age of students	16-17
Preparation time	4 hours
Teaching time	2 hours
Online teaching material	https://pt.wikipedia.org/wiki/Charles_Darwin
Offline teaching material	Presentation software Video projector
Europeana resources used	https://www.europeana.eu/portal/en/collections/natural-history?f%5BLANGUAGE%5D%5B%5D=en&f%5BREUSABILITY%5D%5B%5D=open&q=%22charles+darwin%22+OR+%22darwin%2C+charles%22&view=grid https://historiana.eu/#/historical-content/source-collections/charles-darwin-toward-a-single-theory-of-life

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Integration into the curriculum

Darwin is integrated in the 11th grade History curriculum of the upper secondary school level in Portugal, and included as part of the last topic of the history subject related to the scientific progress and the advancements of science and culture at the end of the nineteenth century



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Aim of the lesson

To understand the importance and impact of new scientific ideas in the European society of the last decades of the nineteenth century.

To read iconography, satirical and scientific illustrations, and understand its scientific, historical and cultural meaning.

Trends

- Project-Based Learning
- Flipped Classroom
- Collaborative Work
- Peer Learning
- BYOD

21st century skills

Learning and Innovation Skills: Critical thinking, Communication, Collaboration and Creativity will be addressed through the activities proposed, such as source selection, image reading and interpretation, collaborative work and presentation to peers

ICT Literacy: promoted using online resource platforms, presentation online and/or offline tools and ongoing peer interacting

Information Literacy: learning to use and explore digital resources and content

Activities

Name of activity	Procedure	Time
Presentation	Presentation of the activity by the teacher-theme, links to explore and methodology to follow.	10'
Organization	Students are divided into groups of 4-5. Teacher and students do the planning and scheduling of activities.	5'
Research	Students explore the online resources introduced initially by the teacher: <ul style="list-style-type: none"> • Europeana Collection - Charles Darwin; • Historiana - Charles Darwin; • Wikipedia – Charles Darwin (this resource can be explored previously during the lessons by the students) 	30'
Sources selection	On Europeana Collection and Historiana, each group must select 3 images to work on.	10'
Reading and explaining images	Each group will study three chosen images and prepare a way to present their conclusions to the class, based on three issues: Why did they choose each image, its meaning and scientific, cultural and social impact of the image.	30'
Presentation	Each group will present their conclusions to the class using online or offline tools, such as Google slides or a presentation software.	25'

Name of activity	Procedure	Time
Questions and comments	Each group's work can be addressed by the other students in the classroom, using the questions & answers tool on Google slides, which allows the audience to put questions and comments during the presentation; these questions and comments will be presented to the class and answered by the group at the end of their presentation.	10'

Assessment

Questions to the class using Mentimeter Word Cloud tool, with students' smartphones, such as:

1. Define the scientific area in which Darwin developed his work
2. Write two words that correspond to the public reaction to Darwin's work
3. Choose two concepts which best define Darwin's work

***** AFTER IMPLEMENTATION *****

Student feedback

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Teacher's remarks

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About the Europeana DSI-4 project

[Europeana](#) is Europe's digital platform for cultural heritage, providing free online access to over 53 million digitised items drawn from Europe's museums, archives, libraries and galleries. The Europeana DSI-4 project continues the work of the previous three Europeana Digital Service Infrastructures (DSIs). It is the fourth iteration with a proven record of accomplishment in creating access, interoperability, visibility and use of European cultural heritage in the five target markets outlined: European Citizens, Education, Research, Creative Industries and Cultural Heritage Institutions.

[European Schoolnet](#) (EUN) is the network of 34 European Ministries of Education, based in Brussels. As a not-for-profit organisation, EUN aims to bring innovation in teaching and learning to its key stakeholders: Ministries of Education, schools, teachers, researchers, and industry partners. European Schoolnet's task in the Europeana DSI-4 project is to continue and expand the Europeana Education Community.