Europeana Learning Scenario

Title

Pioneers women in arts, science and society

Author(s)

Majda Milevoj Klapčić; Gabriela Dundara

Abstract

During the history inventions and discoveries added to one another, civilization, technology, and science advanced and evolved. However, some of these discoveries and inventios changed the world. Students will get detailed information about the most influential woman and their contributions to the world history.

Keywords

Scientists, Science, Inventions, Discoveries, Arts, Society, Achievement

Table of summary

Table of summary	
Subject	English Language, ICT, Science, Art, History
Topic	English Language *Talking about past events and dates in the target language. *Writing about inventions and discoveries of pioneers women in the target language. ICT *Research skills on the net *Designing a poster Art *Using creativity to design a poster Science and History *Learning about the famous womanscientists, inventions and discoveries throughout the history.
Age of students	14-15
Preparation time	40 min
Teaching time	120 minutes

Online teaching material	https://answergarden.ch/ https://www.menti.com/ https://www.canva.com/ https://padlet.com/ https://docs.google.com/forms https://www.coolkidfacts.com/famous-scientists/ https://ec.europa.eu/digital-single-market/en/women-digital-0 https://kahoot.com/schools-u
Offline teaching material	Students' notebooks, paper, pen, worksheets.
Europeana resources used	https://pro.europeana.eu/page/womens-season https://digital-strategy.ec.europa.eu/en/news/discover-complete-exhibition-outstanding-european-women-made-history-arts-and-sciences https://pro.europeana.eu/post/europeana-champions-female-innovators-in-digital-and-culture-this-international-women-s-day-march-8 https://www.europeana.eu/en/galleries/art-by-female-artists http://classic.europeana.eu/portal/en/record/08711/item_63249.html?q=pioneers+in+science#rp=2

Licenses

Please indicate below which license you attribute your work with by picking one of the options below. The Teaching with Europeana blog publishes under Attribution CC BY. If you include images in the learning scenario, please make sure to add the source and licenses under the pictures themselves.

- ☐ **Attribution CC BY.** This license lets others distribute, remix, tweak, and build upon your work, even commercially, as long as they credit you for the original creation. This is the most accommodating of licenses offered. Recommended for maximum dissemination and use of licensed materials.

Integration into the curriculum

This is an interdisciplinary scenario that according to the program of the Croatian secondary schools (high school) tries to achieve the objectives of following subjects: Arts, English language, Science, History, ICT.

Aim of the lesson

Students will get information about women scientists and artists, their inventions, contributions or discoveries to the society and the awards or prizes they got. They also use their creativity to prepare posters about the women scientist and artist they choose.

Outcome of the lesson

Students should be able to talk about past events and learn new vocabularies in the target language.They also design a poster or using their ICT and art skills on the topic.

Trends

Project-Based Learning: students get fact-based tasks, problems to solve and they work in groups. This kind of learning usually transcends traditional subjects.Peer Learning: Students learn from peers and give each other feedback.Visual Search & Learning: Images and multimedia are more powerful than verbal stimuli.

21st century skills

Creativity: Designing and imagination skills.

Critical Thinking: Students will learn and discover information themselves.

Communication: Group works.

Information, Media & Technology Skills: These skills used in this lesson allow

students to learn to use their devices for searching information effectively

Activities

Describe here in detail all the activities during the lesson and the time they require. Remember, that your learning scenario needs to use Europeana resources. If you are using any external documents, please scroll to the end of the document and add them to the Annex. Add more rows to the table if needed.

Name of activity		
Presentation of the topic and Brainstorming	Teacher asks students "What comes into your mind when you hear the word "women scientist and arts"? They will write their opinions on the answer garden. Then, teacher shows some short videos to give some details about the topic. Students create small groups to investigate a specific scientist and his/her contributions via Europeana resources and https://www.coolkidfacts.com/famous-scientists/	30 minutes
New vocabulary exercises	Word search activity about the unfamiliar vocabulary of the topic and students find the meanings in their native language (Croatian) with small groups. (3-4 students for each group)	10 Minutes
Creation and collaboration	Each group creates a digital poster which includes: A photo of the woman art or scientist. The general	30 minutes

Name of activity		
	information about a woman art or scientist (born, death, country etc.)Interesting facts about her. Famous quotes/Achievement/Award or Prize/ Education/The year of invention or discovery.	
Ask peer feedback from the groups	The groups will present their posters to other groups.The posters will also be uploaded to the Padlet and each group comment on others' works.	20 minutes
Peer Evaluation	With the help of the sheet on the annex students will be able to evaluate each group presentation. The group that will have maximum score will be awarded with badges.	30 minutes

Assessment

A quiz that includes true&false activity, matching activity and gap filling with unfamiliar words. The duration of the quiz is 20 minutes.

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

Student feedback

Using the digital tool Mentimeter students will give us their feedback about their work on the topic.

Teacher's remarks

This LS can also be implemented to online teaching

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.

STUDENT EVALUATION FORM FOR THE GROUP PRESENTATION

	SATISFACTORY	NEEDS TO IMPROVE	UNSATISFACTORY
Clear communication			
Target vocabulary usage			
Enthusiasm			
Explanation of the design (poster)			