

Europeana Learning Scenario

Title

Recording music from gramophone to MP3

Author(s)

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Summary

Table of summary

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| Subject | Music |
| Topic | History and evolution of recording music |
| Age of students | 11-12 |
| Preparation time | 4 hours |
| Teaching time | Five 50-minute sessions |
| Online teaching material | https://www.elcultural.com/videos/video/1378/ESCENARIOS/Del-fonoautografo-al-MP3-la-historia-de-la-musica-grabada https://www.youtube.com/watch?v=vgNguRPKhfg https://www.youtube.com/watch?v=oiKmTn1ks1E https://www.youtube.com/watch?v=zAnXtH1LwbU https://www.youtube.com/watch?v=JS1QK2Wavig https://www.youtube.com/watch?v=QvCewJ68mCs https://www.youtube.com/watch?v=ZrGodHd3Qn0 https://www.youtube.com/watch?v=6AjyrEtMrQ8 Kahoot QR codes |
| Offline teaching material | Documents and papers about recording music Worksheet |
| Europeana resources used | https://www.europeana.eu/portal/en/exhibitions/recording-and-playing-machines#ve-anchor-intro_6067-js https://demo.historiana.eu/#/sas/explore/music-recordings |

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Integration into the curriculum

In Spain, the Real Decreto 126/2014, de 28 de febrero, por el que se establece el currículo básico de la Educación Primaria, defines the main contents of the knowledge areas for this educational stage.

In relation to music education, annex 2 (section b) of this Real Decreto offers the curricular basis of this subject in 3 sections. This learning scenario is justified in section 2, which states:

1. Exploring and using the sound and expressive possibilities of different materials, instruments and electronic devices.
2. Searching for bibliographic information in the media or on the internet about instruments, composers, performers and musical events.

In addition, it is important to know musical heritage of the country and other countries and to use and be familiar with the audiovisual media and computer resources to know music more deeply.

Aim of the lesson

With this project, digital competences, musical competences and cultural competences will be developed. In addition, skills related to history and the evolution of humanity will also be promoted.

Trends

Mobile Learning

Visual Search and Learning

21st century skills

Critical thinking: students will have to comment on the evolution of music recording artifacts and expose their points of view.

Collaboration and Communication: working groups using mobile devices to collect information and sharing that information.

ICT and Media Literacy: using QR codes and YouTube videos to expand knowledge and completing electronic forms.

Activities

| Name of activity | Procedure | Time |
|-------------------------------|---|------|
| Lesson 1. Introduction | <p>Short presentation of the lesson to engage students with the story of music recordings, to explain the general purpose of the lesson and to state the requirements needed in order to follow the lesson effectively and use their mobile devices correctly.</p> <p>Later, students use their mobile devices and the teacher uses his laptop and the classroom projector to present the information provided by Europeana and Historiana.</p> | 45' |

| Name of activity | Procedure | Time |
|---|--|------|
| | <p>Finally, they comment on their views about the information they have read and the pictures they have seen. The teacher provides new links for students and they consult them at home.</p> <p>Homework: students access the links provided by the teacher and prepare a short note about the new information they have found.</p> | |
| <p>Lesson 2. QR codes Practical lesson about music recordings</p> | <p>Students read their opinions about information collected from links and talk about the news they have learned.</p> <p>They use their mobile devices to scan different QR codes that will be located in the classroom hall. These QR codes have more information, images, videos and recordings related to these artefacts throughout history.</p> <p>Students share their opinions, ideas and thoughts related to the previous activity.</p> <p>Homework: students must look for different sound sources with their mobile devices recorded with some of the artefacts they have seen and learned on the Europeana and Historiana links.</p> | 45' |
| <p>Lesson 3. Listening to different recordings</p> | <p>Students comment on their opinions about recordings collected with their mobile devices.</p> <p>Later, the teacher presents 5 recordings made with five devices that students have learned about. And finally, there will be a brainstorming in which the opinions, ideas and thoughts related to the quality of the sounds heard in the different recordings, the duration of these sounds and other issues related to the inventors of these artefacts and their evolution in the history will be presented.</p> | 50' |
| <p>Lesson 4. Are you ready to find out how the devices sound?</p> | <p>The teacher presents the listening activity and each student is given a worksheet.</p> <p>The teacher plays the 5 recordings he has prepared. Once the students have completed their worksheets, they share their results while the teacher projects the videos of the 5 recording artefacts on the digital board.</p> <p>Here are the resources needed to complete the worksheet (See Annex 1.)</p> <p>https://www.youtube.com/watch?v=vgNguRPKhfg https://www.youtube.com/watch?v=oiKmTn1ks1E https://www.youtube.com/watch?v=zAnXtH1LwbU https://www.youtube.com/watch?v=JS1QK2Wavig https://www.youtube.com/watch?v=QvCewJ68mCs</p> | 50' |
| <p>Lesson 5. Show your knowledge</p> | <p>Students complete the electronic assessment survey. They have to use their mobile devices. First, they must scan the QR code associated with the survey which will be configured with Google forms.</p> | 50' |

Assessment

Students use their mobile devices to answer an electronic survey where they must demonstrate the knowledge of the contents worked on in the project and if they liked the activity. Moreover, they have to complete the worksheet about different recording music artefacts, sorting the sounds they hear.

***** 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.

ANNEX 1. WORKSHEET

ESCUCHA CON ATENCIÓN Y NUMERA SEGÚN CORRESPONDA



Phonautograph - 1857



Pathephone - 1906



Pye 1005 'Achipon' stereo record player



Compact Disc player - 1984



Ipod - 2007