

Europeana Learning Scenario

(Museum Educators)

Title

Where There's a Will There's a Wheel

Author(s)

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Abstract

With this learning scenario, children discover a brief history of transportation. They also learn about the way cars changed our habits, our way to dress and the way of spending our free time. How cars gradually determined our addiction to them under the attraction of reaching faraway destinations, in a short time and with maximum of comfort. Children also learn about the transformation from monowheel vehicle to four-wheel vehicles. About Bucharest's 19th and 20th century means of transport: horse-drawn trams, trams, carriages, bicycles, carts, horse-drawn omnibuses, coupes, electric trams, automobiles.

Keywords

History, Transportation, Cars, Inventions, Wheel

Table of summary

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Subject	Culture and History, Social Sciences, Technology
Topic	Historical review of means of transportation with an emphasis on the invention of the wheel.
Age of participants	10- 11 years old
Suitable setting for implementation	Depending on the pandemic circumstances, the proposed learning scenario can be carried out: <ul style="list-style-type: none"> - online, synchronously (the activity can be led by the museum educator with a video-conference system). - at the museum (the educator can lead the activity within the museum galleries)
Activity time	1 h 30' (in presence); 1 h 30' (online)
Online educational material	Brainstorming means of transport: www.mentimeter.com ; The Wheel: great inventions that changed history. https://www.youtube.com/watch?v=XzG1aPw7YBc

	<p>An Animated History of Transportation: https://www.youtube.com/watch?v=FaLCQo8NJFA History of Transportation https://www.youtube.com/watch?v=25laUQ_oUyM https://www.youtube.com/watch?v=wiV8YUcwBZk How to build different means of transport from words https://wordart.com/</p> <p>Online tool for sharing information, ideas (e.g. Google Docs, Padlet etc.)</p>
<p>Offline educational material</p>	<p>White paper, clipboards, pencils, crayons for children. Tablet or notebook for the educator.</p> <p>Means of transport in Bucharest: Images from The Bucharest Municipality Museum, Romania (see the Annex section)</p>
<p>Europeana resources used</p>	<p><i>Carriages</i> https://www.europeana.eu/ro/item/9200579/t26zqah2 https://www.europeana.eu/ro/item/9200579/pd477937 https://www.europeana.eu/ro/item/9200579/kzqcpycs https://www.europeana.eu/ro/item/2051906/data_euscreenXL_http_openbeelden_nl_media_29518 https://www.europeana.eu/ro/item/9200579/eq4pacdh https://www.europeana.eu/ro/item/2058612/PMRMaeyaert_058da5d5ebc68af793edef31129ce21602f4afd5</p> <p><i>Bicycles</i> https://www.europeana.eu/ro/item/916118/S_TEK_photo_TEKA0024022 https://www.europeana.eu/ro/item/249/item_TT2MAQTSYRQ7WI5NB42S6CLP7WU_C3XRD https://www.europeana.eu/ro/item/2021659/4012 https://www.europeana.eu/ro/item/2058612/PMRMaeyaert_d3693a9f0f23b6e69b054fdd6863f41a87a5ccb5 https://www.europeana.eu/ro/item/2051906/data_euscreenXL_http_openbeelden_nl_media_625512</p> <p><i>Tour de France</i> https://www.europeana.eu/ro/item/2051906/data_euscreenXL_http_openbeelden_nl_media_9141 https://www.europeana.eu/ro/item/916107/wws_object_3053</p> <p><i>Automobiles</i> <i>Kaiser Wilhelm II. im Auto,</i> https://www.europeana.eu/ro/item/08604/D254D3EC18D54E5AA6EC60DB13982790</p> <p>https://www.europeana.eu/ro/item/9200579/qhmqwnfe https://www.europeana.eu/ro/item/9200579/ux9w9m86 <i>The Ford Model T marks the starting point of mass motorization,</i> https://www.europeana.eu/ro/item/916107/wws_object_2967</p>

First aid kit which belonged to King Edward VII

<https://www.europeana.eu/ro/item/9200579/t8krsygy>

Trams

<https://www.europeana.eu/ro/item/2021639/OBJECT878>

https://www.europeana.eu/ro/item/90402/RP_F_F01010_AP

Trains

https://www.europeana.eu/ro/item/2021646/HttpHandler_icoon_ico_file_4316393

A Swiss hospital train, World War I

<https://www.europeana.eu/ro/item/9200579/c7ddferx>

https://www.europeana.eu/ro/item/2021646/HttpHandler_icoon_ico_file_413100

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Integration into the curriculum

This lesson is part of History Curriculum for the 4th grade (10–11-year-old students). It provides opportunities to explore relevant sources to understand facts, past and present events.

Aim of the educational activity

The aims of the of the activity are:

To make children reflect on the impact of simple inventions on the transformation of human society (Wheel: a great invention that changed history.).

To strengthen children's storytelling and 21st century skills. The lesson is organized to improve the collaborative work, each child share knowledge with the others.

Outcome of the educational activity

At the end of the activity, each child will present his personal invention, the one that will change the world in the future. They will be able to share their story to the group and listen to the others inventions.

21st century skills

- Global Awareness
- Critical Thinking
- Collaboration
- Communication
- Creativity and Innovation

Activities

Name of activity	Procedure	Time
Brainstorming	Children will be divided in small groups and asked what they think is the greatest invention of all times. Then we will use mentimeter.com to decide what words are they associating with the term “transportation”. All the results will be visualized in a word cloud and discussed.	15’
Reflecting	The museum educator will show some short videos about the history of transportation emphasizing the wheel as a great invention that changed history. Children are invited to reflect on why they think the wheel transformed human society.	20’
Discussion	The museum educator will show a variety of means of transportation (photos or videos from Europeana resources, but also museum items (if the activity is held online – photos of these items). The children find out throughout the discussions about the way car changed our habits, our way to dress and the way of spending our free time. How cars gradually determined our addiction to them under the attraction of reaching faraway destinations, in a short time and with maximum of comfort. Children also learn about the transformation from one wheel vehicle to four-wheel vehicles. Discussing about their city history, they learn about Bucharest’s 19th and 20th century means of transport: horse-drawn trams, trams, carriages, bicycles, carts, horse-drawn omnibuses, coupes, electric trams, automobiles. Children find out that the first automobile was brought to Romania in March 1898 and was called carriage-automobile.	20’
Lab activity	The museum educator will introduce the lab activity by talking about greatest invention of all time. Children are invited to imagine an invention that will change the future of humanity. They can draw the invention or write a story about. Each child will receive art materials to create and tell his/her own story. Children will draw / write about the invention.	20’
Sharing the invention	Each child will share his/her drawing/ story, describing it to the group.	10’
Feedback	The museum educator will ask for brief feedback about the activity.	5’

Participants’ feedback

Participants will be asked to give feedback after the activity in the museum if it is led in presence or to fill out a Google form if the activity would be online.

Educator’s remarks

Because of the Covid-19 pandemic, the LS was implemented in the online version. Despite this situation, children enjoyed it a lot and said they had fun and learned new things. They rediscovered their city through this brief history of mean of transportation and they were really determined to come with their family and explore our museum.

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

Means of transport in Bucharest: Photo from Photographs and Postcards Collection of The Bucharest Municipality Museum, Romania

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Link to the photos collection: <https://mmb.atcsol.ro/>





