

Europeana Learning Scenario

Title

Color of the Sky

Author(s)

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Summary

In this learning scenario students will bring historical black and white photographs to life by coloring them with an app. They will learn how powerful color photographs are compared to B&W ones.

Students will learn:

- how to search data*
- how to bring old black-white photos to life by coloring them*
- how color as an element influence visual experience*

and, they will find Color of the Sky

Table of summary

Subject	<i>Visual communication, Multimedia, ICT</i>
Topic	<i>BW vs Color photography, Data search</i>
Age of students	<i>16-17</i>
Preparation time	<i>2h</i>
Teaching time	<i>45min</i>
Online teaching material	<i>http://hi.st/FJ https://demos.algorithmia.com/colorize-photos/ https://padlet.com/nada4web1/ColorOfTheSky</i>
Offline teaching material	<i>/</i>
Europeana	<i>https://www.europeana.eu/portal/en https://pro.europeana.eu/data/black-and-white-pictures-by-swedish-photographer-john-hertzberg https://pro.europeana.eu/data/daquerreotypes-from-the-mkg-hamburg</i>



resources used

<https://pro.europeana.eu/data/street-photography-by-dutch-artist-breitner>
https://www.europeana.eu/portal/en/search?per_page=96&q=what%3A%22Stereobild+med+motiv%22+OR+who%3A%22Centennial+Photographic+Co+Philada%22&view=grid

Licenses

- Attribution ShareAlike CC BY-SA.

Integration into the curriculum

This LS contain two topics, data search and black-white vs color photo comparison (from the point of view of visual elements and design principles).

Aim of the lesson

The aims are:

- to understand the role of the search and how to customize the search methods for the given requirements.
- with a simple online tool, students create a gallery of photos to use in the discussion.
- understanding the purpose of visual elements

Trends

List the relevant trends that the lesson incorporates: <http://www.allourideas.org/trendiez/results>

Cloud Based Learning: data, tools, software is all online and can be reached and modified from different devices.

Visual Search & Learning: images and multimedia are more powerful than verbal stimuli.

21st century skills

Add here how the learning scenario corresponds to 21st century skills. To find out more: <http://www.p21.org/our-work/p21-framework>.

- Content knowledge and 21st century themes: This learning scenario focuses on visual media.
- Learning and Innovation Skills: Students discussing about selected examples - communications.
- Information, Media and Technology Skills: Students developing their skills – data search, introduction of AI

Activities

Name of activity	Procedure	Time
Introduction	The teacher explains the steps and activities	5"
Main activity	With the help of teaching materials students, following instructions for activities	20"

	<ul style="list-style-type: none"> - search the data for the specific queries. (Students have to search collection through filters in order to find some examples.); - use online tools (Within this activity students themselves prepare examples that they will analyze and discuss.) <p>https://demos.algorithmia.com/colorize-photos/ https://padlet.com/nada4web1/ColorOfTheSky</p> <ul style="list-style-type: none"> - discuss about examples (found within Europeana and created) (Students discuss the photos found with a focus on the topic - using visual elements and how the color affects the photos composition. Since the AI color-coding algorithm is used, they also can find difficulties in color recognition algorithm in the used examples.) 	15"
Conclusion	Common conclusions (As part of the final activity, students make conclusions about how to search data, common mistakes, how to use big data collections and licenses)	5"

Assessment

Describe here the assessment method of the lesson, if any. For example, if you plan on assessing your students with a quiz, include here questions and answer options with color-coding the correct answers.

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

Student feedback

Students feedback can be added inside Historiana Learning Activity or as directly at the end of the discussion.

Teacher’s remarks

It may be necessary to add a section with a special review of licenses regarding the use of materials.
Also, it is necessary to note to the students that the sources of information are mandatory.

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.