

## Europeana DSI-3

## Future Classroom Scenario

*Title of the scenario:*

**When in History Did Wallets Weigh the Most?**

*Names of author(s)*

Ryszard Markowicz

### Relevant Trend/s

Write the trend(s) or trends the Scenario is intended to respond to.

e.g. <http://www.allourideas.org/trendiez/results>

Problem-based learning, collaborative learning, visual search and learning, STEM learning, Bring Your Own Device, learning materials.

### Learning Objectives, Skills and competencies

What are the main objectives?

What skills will the learner develop and demonstrate within the scenario? (e.g. 21<sup>st</sup> Century Skills).

The main objective is to show students what density is and how to calculate weight if they volume and density are known.

The learner will develop and demonstrate:

- Critical thinking
- Making judgements
- Solving complex, multidisciplinary, open-ended problems
- Communicating and collaborating
- Creativity and entrepreneurial thinking
- Making innovative use of knowledge

**Further skills:** ICT, media literacy, learning by doing, communication, digital skills, literacy, basic skills in maths and science, learning to learn, cultural awareness.

### Learner's Role

What sort of activities will the learner be involved in?

**Research:** students find materials about the topic and ask particular questions in groups

**Reading, watching, listening:** students share information they found

**Collaborating:** students collaborate during every activity of this lesson

**Solving problems:** students solve an open-ended problem using their own materials

**Laboratory:** students do experiments about density

The scenario is for a Mathematics lesson in 6-8 grades.

### Tools and Resources

What resources, particularly technologies, will be required?

[Link to dataset](#)

Europeana website: <http://www.europeana.eu/portal/en>

Google docs

[Kahoot](#)

[padlet.com](#)

### Learning space

Where will the learning take place e.g. school classroom, local library, museum, outdoors, in an online space?

The learning will take in the school classroom, using online tools such as Kahoot or Padlet.

### Future Classroom Scenario Narrative

*Describe in max 10 sentences the main ideas of the scenario.*

This scenario will give students the opportunity to know what density is and how to calculate weight if they density and volume are given. During the lesson students will solve a problem about some specific coins and will give the answer to the question: How much did wallets weigh in the history of mankind? The most important part of the lesson is patient problem solving and collaborative work of students.

## Learning Activities

Add the link to the Learning Activities created with Learning Designer (<http://learningdesigner.org>)

<https://v.gd/wguEwO>

This Future Classroom Scenario has been developed as part of the Europeana DSI-3 project.