



Współfinansowane przez  
Unię Europejską



Topic: **Water & Weather**

Lesson Plan: "Water & Weather – Discover and Explore"

Duration: 45 minutes

Group: International students (grades 7–8)

**Methods:** app-based learning, hands-on activity, virtual exploration, pair work, discussion

**Tools:** tablets, Explorer app, printed magic cube template, scissors, glue, Museum of Gdańsk website

### Lesson Objectives

Students will:

- use the Explorer app to access multimedia learning materials,
- explore topics related to water and weather,
- cooperate in an international group and communicate in English,
- practice comprehension based on English-language materials,
- virtually visit the historic Water Forge in Oliwa and describe their observations.

### Lesson Flow

#### 1. Welcome & Introduction (3 min)

Teacher briefly presents the plan: "Today we will explore water and weather using the Explorer app, work with a magic cube, take a quiz, and finish with a virtual tour of the Water Forge in Oliwa."

Emphasis on supportive communication in an international group.

#### 2. Creating the Magic Cube (7 min)

Students receive printed cube templates.

Task: cut, fold, and glue the magic cube.

Teacher assists when necessary.

Students may label or decorate their cube.

#### 3. Logging into the Explorer App (3 min)

Students turn on tablets and open Explorer.

They log in (teacher provides access codes if needed).

Quick check to ensure everyone can navigate the app.

#### 4. Finding the "Water & Weather" Category (2 min)

Students navigate to the Water & Weather section.

They look through the main screen and available materials.

#### 5. Working with the Magic Cube – Exploring Content (10 min)

Instructions for students:

1. Roll the magic cube.

2. Each side represents a selected topic within “Water & Weather” (e.g., clouds, rain, water cycle, extreme weather, rivers, oceans — teacher assigns topics to cube sides).
  3. After rolling, open the corresponding section in Explorer.
  4. In pairs or small groups, read or watch the materials (texts, images, animations, videos).
  5. Note one interesting fact discovered during the activity.
- Teacher supports, answers questions, and facilitates discussions.

#### **6. Solving the Quiz in Explorer (5 min)**

Students open and complete the quiz available in the Water & Weather module.  
They work individually.  
Volunteers may share whether the quiz was easy, challenging, or surprising.

#### **7. Virtual Visit: Water Forge in Oliwa (10 min)**

Students open the website of the Museum of Gdańsk (teacher provides link or QR code).

They begin the virtual tour of the Water Forge in Oliwa.

Task:

- o explore the interior of the forge,
- o observe how water power drives the machinery,
- o choose one thing that surprised or interested them.

#### **8. Sharing Observations (3–4 min)**

Short reflection round:

“What interested you the most during today’s activities?”

Students share one sentence each.

#### **9. Closing Summary (1 min)**

Teacher thanks students for their work and cooperation.

Highlights the connection between natural phenomena (water & weather) and historical human engineering (water-powered forge).

#### **Teacher Materials**

printed cube templates,  
scissors, glue,  
tablets with internet access & Explorer app,  
prepared list assigning cube sides to topics in Explorer,  
link/QR code to the virtual tour of the Water Forge in Oliwa.



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