



Co-funded by the
Erasmus+ Programme
of the European Union



2018-1-TR01-KA201-059698

“Integration of Museums into School Education”

MAIN INDOOR INTERDISCIPLINARY LESSON PLAN

GEOGRAPHY

A- PREPARATION FOR THE MUSEUM/OUTDOOR		
1	Definition of the museum or outdoor visit (EC1 in Łódź)	✓
2	Determining the date of going to the outdoor or indoor museum and making sure that it complies and relevant with the annual curriculum and with other interdisciplinary courses	✓
3	Making an appointment at the museum or the outdoor excursion to be visited or giving information in advance	✓
4	Providing museum experts from the outdoor historical site or the museum to be visited	✓
5	Obtaining official permission from the institution where the teacher works	✓
6	Receiving permission from parents for students under 18 by the teacher on behalf of school management	✓
7	Preparing the list of participants.	✓
8	Collecting data or information about the museum to be visited, searching through the literature review, learning interesting stories told about the period (by the teacher)	✓
9	Identifying and determining station points for interdisciplinary information to share; to determine activities and durations for each stations	✓
10	Identifying the students, teachers and parents (if necessary) to participate in the trip and planning task sharing among them	✓
11	Making a calculation for approximately expected expenses of the course to be held in the museum or outdoor excursion	✓
12	Knowing the general facilities of the museum in advance and preparing the excursion plan (toilet, parking, cafeteria, stopover for breaks, etc.)	✓
13	Determining and setting up the rules that the students will obey in the museum or the outdoor excursion and to remind these rules to the participants	✓
14	Giving information about the museum or outdoor excursion visit	✓
15	Preparing the museum or outdoor excursion lesson plan	✓
16	Preparing activities, worksheets, pre-test and post-test questionnaires and evaluation scales for these documents.	✓
17	Preparation and taking security measures related to the trip.	✓
18	Implementation of a knowledge test to increase students' curiosity and motivate them for expeditionary learning before the trip	✓

EXPEDITIONARY INTERDISCIPLINARY LESSON PLAN FOR MUSEUMS OR INDOOR /OUTDOOR CLASSROOMS

1	NAME OF THE SCHOOL	International Primary School of Innovative Training
2	LESSON	Geography
3	CLASS / CLASSES	V
4	TOTAL TIME	5 hours
5	MUSEUM TO VISIT	EC1
6	PLACE AND TIME OF DEPARTURE	School Yard 9:20
7	PLACE AND TIME OF ARRIVAL	School Yard 14:20
8	AIMS / OBJECTIVES	<p>AIMS:</p> <ol style="list-style-type: none"> 1. To know geological vocabulary associated with extracting coal 2. To be able to describe ways of extracting coal by pupils 3. To know in what way an electricity is being generated (presentation)
9	OUTDOOR EXPEDITIONARY LESSON STAFF (PARENTS / TEACHERS)	Katarzyna – Geography Teacher
10	TRANSPORTER & VEHICLE INFORMATION	-

B-DURING MUSEUM/OUTDOOR SITES EXPEDITIONARY VISITS

3RD CLASS VISUAL ART LESSON DAILY COURSE PLAN					
CLASS	III	SUBJECT / TOPIC	<ul style="list-style-type: none"> What is the lignite coal giving to us? 	DATE	
				COURSE HOUR	3 hours
OBJECTIVES	<p>OBJECTIVES:</p> <ol style="list-style-type: none"> 1. To know how we gain lignite coal. 2. To know how to use it in our life. 				

ACHIEVEMENTS	<p>TEACHERS:</p> <ol style="list-style-type: none"> 1. Use of different kinds of methods, techniques, forms and places especially outside the school. 2. Acquire non formal education techniques in formal education. <p>STUDENTS:</p> <ol style="list-style-type: none"> 1. Know how to find coal in solar energy? 2. Gain knowledge how to lignite coal is extracting. 3. Know how to coal power station works. 4. Know what irreversible source of energy is. 5. Know how to energy come to our houses. 6. Know what are the advantages and disadvantages of operation coal power-plant. 	
	CONCEPTS AND TARGETS	<p>* THEMATIC: What is the lignite coal giving to us?</p> <p>* SPECIFIC: ability to know how did the lignite coal come into existence, understand laws of physics</p> <p>* RELATIONSHIP BETWEEN DISCIPLINES: Geography – Physics – Chemistry – Geology - Computer Science - Art</p>
	METHODS AND TECHNIQUES	<ol style="list-style-type: none"> 1. Problem method 2. Making observation 3. Brainstorming 4. Using evidence 5. Perceiving time 6. Demonstration method
	TOOL-MATERIAL (Products to be used in the course)	<ol style="list-style-type: none"> 1. Handmade posters 2. Auxiliary books 3. Educational movies 4. Pictures and photographs 5. Newspapers and magazines
	ACTIVITIES TO BE IMPLEMENTED	<p>“ Coal ” – lap books</p>
PROCESSING AND IMPLEMENTATION OF THE LESSON		
PROCESS	OBSERVATION	Preparing ground for gain knowledge about our local mineral resources
	INFORMING	Exhibition of handmade posters in school.
	DATA COLLECTION	Taking information about using lignite coal.
	SAMPLE COLLECTION (IF AVAILABLE)	Collecting folders about coal in our local environment.

PROCEDURE

- 1 Teacher prepare lesson about lignite coal (the use of coal, origin).





- | | |
|---|---|
| 2 | Presentation of coal samples – using of all senses. Work in groups. |
| 3 | Knowledge test about the use of coal. |
| 4 | Working in two groups. |
| 5 | Looking answers for questions in groups: what is the process of carbon formation, what conditions must be met for the coal to burn. – Work in groups. |
| 6 | Making lapbooks for exhibition. |



7 Display the exhibition for whole school.



EVALUATION

- 1 Preparing knowledge test about lignite coal.
- 2 Preparation of visit report.
- 3 Self – evaluation.

**GEOGRAPHY TEACHER
KATARZYNA**

C - THINGS TO DO AND INFORMATION SHARING AFTER AN EXPEDITIONARY MUSEUM VISIT/ OUTDOOR LESSON		
1	Reading the answers of the worksheets used during the visit in the classroom, remembering the observations and emotions – <i>Optional</i>	✓
2	Brief interpretation of the subjects in the form of questions and answers on objects and objects seen during the museum visit – <i>Compulsory</i>	✓
3	The evaluation of the museum's history and artefacts, the period and characteristics of the museum with question & answer method – <i>Compulsory</i>	✓
4	Composition, story, drama and poetry writing about the visit to the museum, imagination, two-dimensional (pattern work), three- dimensional and so on. production of designs, panel and exhibition work – <i>Optional</i>	✓
5	Poster designing related to museum trip – <i>Optional</i>	✓
6	Final test survey implementation to get feedbacks of both teachers and students – <i>Compulsory</i>	✓
7	Self-assessment scale – <i>Optional</i>	✓
8	Keeping an expedition report – <i>Compulsory</i>	✓
9	Letter of thanks to the museum after the visit – <i>Compulsory</i>	✓
10	Giving certificates and gifts to visiting teachers and students – <i>Compulsory</i>	✓
11	In the school painting workshop, a cardboard or gypsum model of residential areas is made in collaboration with the painting and history teacher – <i>Optional</i>	✓
12	Contributing to the museum corner to be created with visuals, artefacts or reproductions and, if possible, old items to be brought by students to reflect the meaning of the museum and its consciousness – <i>Compulsory</i>	✓
13	Online feedback questionnaire to students and parents – <i>Optional</i>	✓
14	Conducting an online survey to collect students' impressions feelings of the lesson and feedback on future trips – <i>Compulsory</i>	✓
15	Creating postcards by the students – <i>Compulsory</i>	✓
16	Shooting videos with high resolution – <i>Compulsory</i>	✓