

**BEYOND SCHOOL PROJECT
LESSON ACTIVITY PLAN**

ACTIVITY 7	GETTING TO KNOW MY REGION – BELCHATOW – LIGNITE MINE
The aim of the activity	What is lignite and how was it created? What is Bełchatów coal used for?
Places where the event can be held	PGE Giganty Mocy
Age group for the activity	11 – 12 years old

A. BEFORE OUT-OF-SCHOOL LEARNING ACTIVITY	
Educational tools	Survey checking information before a trip to Bełchatów.
Method, technique and strategies	Reminder of the knowledge about the geographical location of our region, the abundance of mineral resources, and the use of coal in the power plant to produce heat.
PRACTICE	A film related to the origin of coal and its use.
Introduction of the activity	Brainstorm Mental map Educational video
Development of the activity	Discussion of students' ideas presented during the brainstorming, verification of children's ideas with information obtained during the lesson.
Evaluation of the activity	The truth-false game in teams

B. IN THE OUT-OF-SCHOOL LARNING ENVIRONMENT	
Educational tools	Workshops at the Giganty Mocy Museum in Bełchatów
Method, technique and strategies	Visiting the exhibition, thanks to which the students learned how lignite was created. What conditions had to exist and how long did it take for it to form.

PRACTICE	The students mined coal together, tried to start a coal power plant, got to know the miner's outfit and the machines that help them at work.
Introduction of the activity	Learn step by step how heat and energy are produced. Instructional film about the Bełchatów Coal Power Plant.
Development of the activity	Students took part in workshops during which they learned how lignite differs from other forms and how to recognize it. During the classes, they made a carbon peeling, black lemonade and a carbon gift as a souvenir. They learned about the wide use of coal, not only as a raw material used in power plants. Excavation in Kleszczów - students saw what a black hole looks like from space, they found out what an opencast mine is?
Evaluation of the activity	At the end, they did a crossword summarizing what they learned.

C. AFTER OUT OF SCHOOL LEARNING ACTIVITY

Educational tools	Creative building with lego bricks
Method, technique and strategies	Talk about the knowledge gained during the trip. By brainstorming, the students themselves determined the topic, which they presented with the help of Lego bricks - "Coal power plant through our eyes."
PRACTICE	Preparation of Lego bricks
Introduction of the activity	Divide the students into 3 groups. Determination and distribution of roles within groups. Choose a topic to do in the group.
Development of the activity	One group built a power plant, the second group built conveyor belts, and the third group built an excavation. The summary of the project was the combination of all elements into a whole.
Evaluation of the activity	Questionnaire

APPENDIX-1:

