

# Museo del Carbone

## Grande Miniera di Serbariu, Carbonia IT

### Activities for schools

#### **WORKSHOP 1 – HEIGH HO**

**TYPE OF WORKSHOP:** playing to learn

**SUBJECTS INVOLVED:** multiple subjects

**EDUCATION LEVEL:** kindergarten

**WORKSHOP ACTIVITIES:** With the help of Crabò, children will discover how a typical day of a miner is; in the lamp room, they will be provided with a lamp to hunt the underground area and find coal. Through observation, memory games and action, children will learn a lot about coal mining while having much fun.

**EDUCATIONAL OBJECTIVES:** observing, playing and finding out more about mining activities and the work of miners, through a fun interaction with other children and museum guides.

**LOCATION:** museum exhibition area

**DURATION:** 60 minutes (includes the underground tour)

**Cost:** guided tour + workshop € 2,00

#### **WORKSHOP 2 – ROLE PLAY**

**TYPE OF WORKSHOP:** team game

**SUBJECTS INVOLVED:** multiple subjects

**EDUCATION LEVEL:** 4<sup>th</sup> and 5<sup>th</sup> year of primary school, 1<sup>st</sup> year of middle school

**WORKSHOP ACTIVITIES:** after talking a little about mines and the work of the miners, an operator will ask the participants to create two teams. They will pretend to be employees, technicians, lamp makers, miners and sorters, and, in a location that reproduces the typical environment where miners used to work, they will play their roles by interacting with each other. The two teams will compete in different research, selection and practical tasks. Each challenge is focused on an aspect discussed during the guided tour.

**EDUCATIONAL OBJECTIVES:** better understanding the concepts learned and the issues addressed during the guided tour through a fun interaction; promoting group discussion and interaction through role play.

**LOCATION:** museum exhibition area

**DURATION:** 60 minutes for the guided tour + 40 minutes for the workshop

**Cost:** Underground tour €5,00 + workshop €2,00 **€ 7,00**

**Cost:** Workshop only **€ 4,00**

### **WORKSHOP 3 – MY 40's HOUSE**

**TYPE OF WORKSHOP:** interactive tour to discover ancient locations

**SUBJECTS INVOLVED:** multiple subjects

**EDUCATION LEVEL:** primary school, 1<sup>st</sup> year of middle school

**WORKSHOP ACTIVITIES:** Zia Noemi will tell the story of her husband Ettore, who came from Manoppello, Abruzzo, to work in the mine. The lady will guide the students through the discovery of her 40's home; they will answer questions from this nice little woman and pass some tests while having much fun.

**EDUCATIONAL OBJECTIVES:** guiding students through the discovery of modern elements inside old houses in Carbonia and giving them the opportunity to learn more about the daily life of miners and their families outside the mine.

**LOCATION:** "Strumenti e Ricordi" exhibition hall

**DURATION:** 60 minutes - workshop available from November to February (included)

**Cost:** Underground tour €5,00 + workshop € 2,00 **€ 7,00**

**Cost:** Workshop only **€ 4,00**

### **WORKSHOP 4 – THE HISTORY OF COAL**

**TYPE OF WORKSHOP:** educational activity with animation movie

**SUBJECTS INVOLVED:** geology, science

**EDUCATION LEVEL:** primary school, middle school

**WORKSHOP ACTIVITIES:** the operator will illustrate the natural processes that led to the formation of the Sulcis coalfield and the techniques used to identify it. The guide will also explain the main uses of coal.

**EDUCATIONAL OBJECTIVES:** discovering the area; learning more about the techniques used to identify coal basin, the process leading to coal formation and the main uses of coal.

**LOCATION:** Museo del Carbone conference room

**DURATION:** 40 minutes

**Cost:** Underground tour € 5,00 + Workshop € 2,00 **€ 7,00**

**Cost:** Workshop only **€ 2,00**

## **WORKSHOP 5 – RIDDLES IN THE MINE**

**TYPE OF WORKSHOP:** team game

**SUBJECTS INVOLVED:** multiple subjects

**EDUCATION LEVEL:** middle school

**WORKSHOP ACTIVITIES:** with Morse code messages, brain teasers, word games and riddles, the students will challenge each other in an exciting team game and discover the fascinating world of coal mines.

**EDUCATIONAL OBJECTIVES:** learning more about mining activities through a fun interaction and promoting group discussion and teamwork.

**LOCATION:** museum exhibition area

**DURATION:** 60 minutes for the guided tour + 40 minutes for the workshop

**Cost:** Underground tour € 5,00 + workshop € 2,00 **€ 7,00**

**Cost:** workshop only **€ 4,00**

## **WORKSHOP 6 – LIGHT IN THE DARK**

**TYPE OF WORKSHOP:** playing to learn

**SUBJECTS INVOLVED:** science, history, anthropology

**EDUCATION LEVEL:** primary school, middle school.

**WORKSHOP ACTIVITIES:** A journey through the last centuries to discover technological innovations, by direct observation of mine lamps: from fat trimming to fish oil, from carbide to electricity. The students will find out more about the different types of lamps exhibited in the museum and the technological innovations occurred over the centuries, observing how a carbide lamp and other commonly used lamps (fish oil and/or electric) work.

**EDUCATIONAL OBJECTIVES:** stimulate children's curiosity for the study of technological innovations by observing a simple everyday life object of major anthropological and historical interest for the mining sector.

**LOCATION:** museum exhibition area

**DURATION:** 60 minutes for the guided tour + 40 minutes for the workshop

**Cost:** Underground tour € 5,00 + workshop € 2,00 **€ 7,00**

**Cost:** workshop only **€ 4,00**

## **WORKSHOP 7 – CAVE-INS**

**TYPE OF WORKSHOP:** educational

**SUBJECTS INVOLVED:** geology, science

**EDUCATION LEVEL:** high school

**WORKSHOP ACTIVITIES:** The operator, through images, will guide the students to the discovery of cave-ins. Mining, and in particular tunnel excavation, may result in the formation of this special type of natural caves, an inexhaustible source of information for understanding their formation and evolution.

**EDUCATIONAL OBJECTIVES:** Discovering the fascinating world of mines and caves and finding out more about mining activities.

**LOCATION:** Museo del Carbone conference room

**DURATION:** 45 minutes

**Cost:** Underground tour € 5,00 + workshop € 2,00 **€ 7,00**

**Cost:** workshop only **€ 2,00**

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