

Lesson plan for Programme of Regional Education in High Schools in Katowice
Class 2, 1x120-240 min.

Lesson plan 17.

**TOPIC: INDUSTRIAL REVOLUTION OF THE XIX CENTURY
IN KATOWICE -
FROM HUTS AND MINES TO NEW TECHNOLOGIES AND START-UPS.**

Objectives - students:

- can describe the industry of Katowice (mining, heavy, brewing, zinc, energy, automotive).
- they understand the concept of revitalization of industrial facilities, the concept of a startup
- can list the objects belonging to the Industrial Monuments Route
- visits selected objects - mines, steel mills, shafts transformed into places of culture and art

Methods: text work, group work, lecture, conversation, notes

Means: excursion, workshop activities

Additional teaching resources: teacher's materials, websites:

<https://www.zabytkitechniki.pl/Pokaz/27320/opis-szlaku>

<https://pl.wikipedia.org/wiki/Start-up>

Jakub Grudniewski, Ryszard Kaczmarek, "Kostuchna. Historical monograph ", MDK" Południe "2016.

The course of the lesson:

1. We are talking about the industry of Katowice. We remind you of information from class 1 and lesson 10: "Industry - the driving force of Katowice" and from the exhibition of the Museum of the History of Katowice "From the history of Katowice" on ul. Szafranka 9 and Rymarska 1, lesson 7 in class 2: "Institutions and institutions promoting culture in Katowice.

- intensive development of industry took place in the middle of the XIX century with the development of rail transport,

- industries: mining, heavy / establishment of the "Murcki" mine in the 18th century and "Emanuelsegen",

- end of the 20th century: mining, zinc, metallurgy, energy, automotive,

- industry in the 21st century: the functioning of the created facilities still in their original function, e.g. KWK "Staszic",

- economic changes resulted in the closure of mines or their transformation into commercial and service or cultural facilities,

- **transformation:** revitalization, e.g.

the "Katowice" mine in the Silesian Museum,

KWK "Gottwald" into a commercial and service facility "Silesia City Center"

"Wilson" shaft into an art gallery and meeting place,

KWK "Guido", The Queen Luise Adit in Zabrze into museums, a meeting place and events.

2. We introduce the concept of **the Industrial Monuments Route**. Students know some places - we visited some of them in the 1st grade: **Muzeum Śląskie, Wilson Shaft, Nikiszowiec.**

- we read about those facilities that are less known to us, we use the website <https://www.zabytkitechniki.pl/Pokaz/27320/opis-szlaku> or the brochure published by the Katowice City Promotion Department.

- the Route also includes facilities that have not changed their purpose, are modernized, have received the status of monuments, e.g.

Ficinus Workers' Colony in Ruda Śląska-Godula, Nikiszowiec, Giszowiec.

- closed facilities - change of function to museum facilities: Historic Mine "Guido" Adit "Królowa Luiza" in Zabrze, Museum of Power Engineering in Łaziska Górne "Walcownia Zynku" in Szopienice, Porcelain Factory in Katowice, "Adit of Black Trout" and Silver Mine in Tarnowskie Góry,

- an example of modernization - revitalization and continuous operation with success - Museum of Tyskie Browary Książęce in Tychy.

- closed facilities, e.g. KWK "Murcki-God's Gifts" - it is well known to students, family members were employees of the mine, we collected more information in class 1 (lesson 2: "Little Homeland - Kostuchna", 10: "Industry - the driving force of Katowice" , 26: "Nature vs. Black Gold. Wandering the Old Maps").

- development of new industries in the second half of 20th century: automotive industry and establishment of car factories in Gliwice - Opel and Tychy: Fiat. Students know FCA FIAT in Tychy (professional trip in class 1 and 2).

3. Working in groups on the mining industry in Katowice-Kostuchno:

a) we read excerpts from the book "Kostuchna. Historical monograph "-" Coal Mine Boerschachte ", pp. 60-69:

- development of the Katowice - Murcki railway line, then Katowice - Kostuchna,

- name etymology: "Boera's Shaft",

- construction of a workers' housing estate in Kostuchna

- establishment of trade unions at the beginning of XX century
- miners' opposition to poor working conditions
- closure of the mine in 2015

We discuss the collected information, group leaders present notes to the class forum.

4. We explain the concept of a start-up: <https://pl.wikipedia.org/wiki/Start-up> We are considering it in the context of the discussed objects, eg the Silesian Museum, Silesia City Center, Galeria Wilson.

5. Write down your notes, together we choose a place for a class trip, for example, the Museum of Tyskie Browary Książęce / also with the Silesian option: Silesian dialect and costumes or ecological route /, <http://zwiedzbrowar.pl/nasza-historia/>

<https://www.zabytkitechniki.pl/Poi/Pokaz/1725>

The lesson is conducted annually in class 2.