LIMEKILN – "JAPJENICA" PUČIŠĆA ELEMENTARY SCHOOL



TOPIC: LIMEKILN (*JAPJENICA*) – producing lime in traditional way

OBJECTIVES:

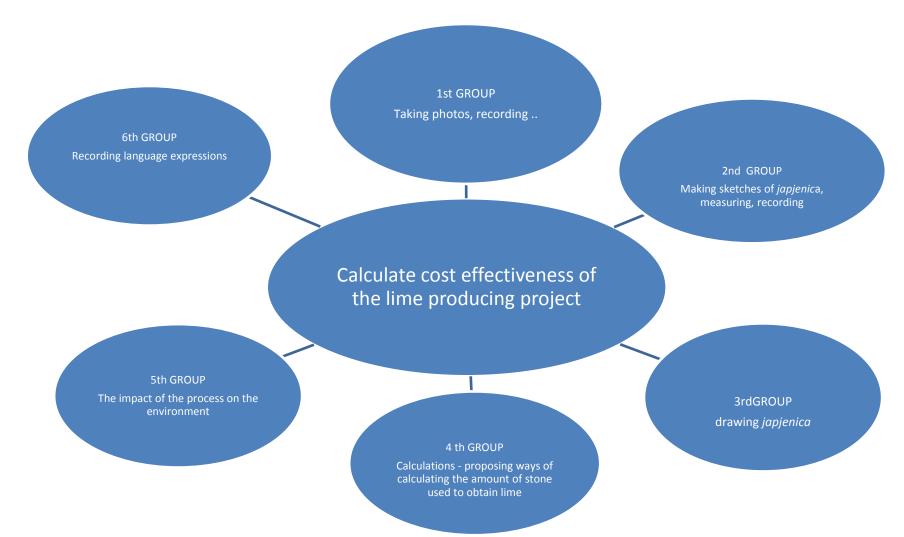
- Get acquainted with the traditional way of producing lime
- Get acquainted with use of lime in everyday life
- Notice the elements essential for the selection of the construction site of limekiln
- Calculate the amount of time and human labor needed to produce lime
- Calculate the amount of quicklime obtained, the amount of water used to quench the lime and the amount of lime in this limekiln
- Calculate the cost-effectiveness of lime production in this way
- Notice the impact of burning lime on the environment
- Participate in the construction of 'japjenica'
- Apply acquired knowledge in everyday life

Problem assignment - creative work after processing information:

- Calculation of the amount of quicklime obtained, the amount of water used in extinguishing the lime and the amount of lime in this limekiln
- Calculate the cost-effectiveness of the production process lime in this way
- Creating a model model (with the help of photos and field work)

FIELD WORK

The students were divided into 6 groups. Each group has its own task.





Field work

Measuring radius of limekiln



Photographing work stages

Participating in construction



Using hand tools - " divider" to determine the distance of the final wall around " japjenica"

Information processing (in the classroom)

Upon arriving in the classroom, students analyze the collected data (photographs, drawings, sketches, measures, calculations).

Each group, under the guidance of lider, discuss the data collected, complete their drawings, calculations, etc..

Conclusion of data processing: amount of work, effort, time and materials used in the process of lime production in the traditional way. This form of production is too expensive and uncompetitive in today's market!



Mind map

Calculations





Drowings of limekiln!

Making sketches with measures

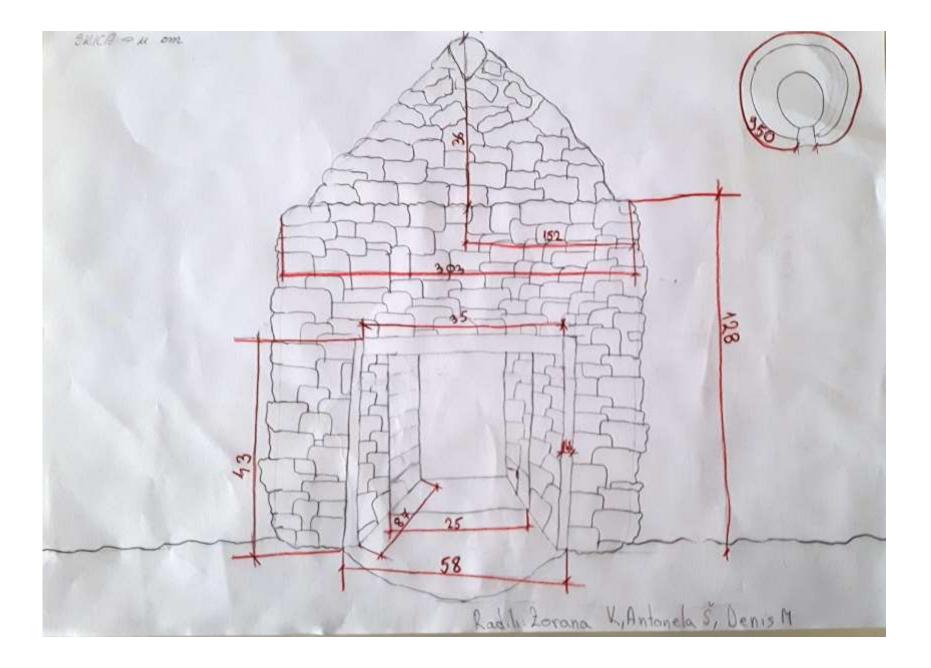




The results of the work in the classroom

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JAPJENICA -IZRAČUNI-

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FEX Sm

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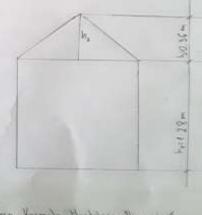
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Culture office wat done i output office take

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Furmbin

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Moti, lipo lo capoj, ĉa ti misilis da lije mistika naliv sero. Doj, dog stringie! Nu vij ca ti mariel govori. Smyoj lo do na viota Bula, buta striju tamo Dj drugu, viŝ da vo inno druob. Sal ĉemo Zaklinovat Ajmo narode!

Stav mi vanno pil noge da innon stinge do rubie Og mld, nimon nista, njonci za orih rozbit. Oznavoj to bikun, inkunjoj s tima grubima. Odrav to, tu san stingu ostavi za spalu. Tu ugrad u nutra, neka njon je mozal vamo vonka Klinoj, klinoj i doj zemje, nimo nista bez zemje Ajmo narode!

Information processing in class

1st task:

Perform the experiment - burning the limestone - and determine how much water is consumed for extinguishing lime!

2nd task:

Calculate how much you would get Ca(OH)2 from our limekiln!

2. Task:

Calculate how much you would get Ca(OH)2 from our limekiln!