2018-1-EL01-KA229-047666_3
Escape Classroom – Digital Turn

MICROSCENARIO
DATA BASE: data modelling

Subject: data archives
Class: 4th grade High School
Lesson: **The data base**

Estimated time: At least 2 teaching hour

Purpose: understand the organization of data in electronic archives $f(x) = \alpha x^2 + \beta x + \gamma$.

Objectives:To be able to:
(a) know the meaning of electronic archive,
(b) understand the concept of records and information
(c) understand the concept of field or data
(d) to construct a data file in tabular form
Teaching approach: Inquiry-based learning with guided self-acting and induction elements.

Digital sources: Use of computers and the easy PHP:
https://www.easyphp.org/

Short description/ Basic notion: each student will use a computer and will build one or more records of personal data belonging to a table relating to customer data of a travel agency.

Additional benefits: working autonomously each student will reach a greater speed in typing the data and will learn the main commands of a DBMS application

WORKSHEET

1ST and 2nd teaching hour

Subject: data archives
Class: 4th grade High School
Student's name: _____
Lesson: **The data base**
1st and 2nd teaching hour: definition of records and fields
first steps with a table

each student will use the easy PHP application to build a record divided into fields and more records will form a table.

Activity 1: select the easy PHP icon with a double click of the mouse

_____

_____

you can open easy PHP in two different ways, describe which ones.

_____

_____

enter the data of the first record for fields in horizontal

_____

_____

_____

Activity 2: define the record with the following fields: surname, name, key code, cap and city address

_____

_____

enter 5 records with the previous record layout using the personal data of your classmates

_____

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Activity 3: **commands in SQL**

save the table with the name "customers" and proceed with a query on the newly created data

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Activity 4: solve the following questions: extract all the customers of the city of Salemi

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_____

extract the customer with key code = a 01

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_____

view the complete list of customers

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