Workshop 2 – Problem Based Learning (PBL), Online Quizzes and Logical Tasks

Workshop schedule

**Day 1**

**Introduction to Workshop 2**

*Duration: 1 hour (45 minutes)*

Introductory presentation: Workshop 1 - follow-up activities

Introduction to Workshop 2

**Session 1: Introduction to Problem Based Learning (PBL)**

*Duration: 1 hour (45 minutes)*

Lecture: Definition and key principles of Problem Based Learning

Demonstration: Learning scenarios illustrating PBL

Group work: Design a PBL lesson

**Session 2: Problem-solving in logical games**

*Duration: 3 hours (135 minutes)*

Lecture: Digital tools within the process of problem-solving

Demonstration: How to use problem-solving process in logical games

Group work: Exploring examples and resources

Presentation: Methodology – Role-playing games

Group work: Role-playing games

**Session 3: Online quizzes and logical tasks**

*Duration: 3 hours (135 minutes)*

Lecture: Logical tasks and quizzes in the classroom

Demonstration: Examples of logical tasks and quizzes for different school subjects, providing propaedeutic for algorithms and programming

Group work: Exploring examples and resources

**Day 2**

**Session 4: Using Web 2.0 tools for creating quizzes and logical tasks**

*Duration: 4 hours (180 minutes)*

Presentation: Advantages of using Web 2.0 tools for creating quizzes and logical tasks

Group work: Exploring examples and resources

Demonstration: Creating quizzes and logical tasks using Web 2.0 tools (Kahoot, Wizer, Match the memory)

Individual work: Creating quizzes and logical tasks using Web 2.0 tools

Group work: Creating examples of quizzes and logical tasks for different school subjects

**Session 5: Designing learning scenarios for logical tasks**

*Duration: 3 hours (135 minutes)*

Individual work: Preparing learning scenarios based on PBL and logical tasks in written form and in graphical form using LePlanner (developing the first version of the 2nd learning scenario)

Group work: Review and discuss about the developed scenarios

**Conclusion of the Workshop 2**

*Duration: 1 hour (45 minutes)*

Whole-group activity: Debriefing

Closing talk: Introducing and explaining the follow-up activities (developing the 2nd learning scenario based on PBL and logical tasks)