**CODE YOUR FUTURE** (REF. NO: 2018-1-TR01-KA201-059502)

Online Training: Introduction to programing. Creating our virtual world in VR and AR

May 24th-28th, 2021

| | DAY 1 | DAY 2 | DAY 3 | DAY 4 | DAY 5 |
|---|---|---|---|---|---|
| 30 min Theory | Basics of programming. How simply explain what is programming and algorithms for kids? | Virtual and augmented reality. History and VR, AR in our life | Equipment and tools for discovering and presenting 3D in the classroom | What is 3D modelling? 2D vs. 3D | CoSpaces Teachers account opportunities, class management |
| 30 min Practice (demonstration according instructions / the project of the day) | Introduction to CoSpaces (account, navigation, animation, etc.) **Project 1: My virtual world** (environment, sprites, animation) Competencies: navigation in the system, language, programming | **Project 2: Tell your story** (create dialogs, additional: scenes) Competencies: creativity, language, writing, programming Subject: native language, English, IT | **Project3: Can you count?** (make quizzes for Math lesson, program the correct and incorrect answers) Competencies: counting, writing, Math, programming Subject: any subject, useful for flipped class method, English, IT | Introduction to TinkerCAD (account, navigation, modelling, etc.) **Project 4: My geometric hero** (model the object) Competencies: creativity, counting, modelling, Math, Geometry Subject: any subject, Math, English, IT | **Project 5: Labyrinth** (create labyrinth, import objects from TinkerCAD, program motions of the sprite, etc.) Competencies: counting, programming Subject: English, IT |
| 10 min | Assessment (Kahoot) | | | | |
| 10 min | Break | | | | |
| 60 min | Participants individually developing the project example according the script/instructions, plus consultations. First 30 min – Romanian (Lecturer: Neringa Kelpšaitė) and Spanish (Lecturer: Rimantė Grumadaitė) Another 30 min – Turkish (Lecturer: Neringa Kelpšaitė) and Italian (Lecturer: Rimantė Grumadaitė) Consultation: answering questions regarding the developing of the day project. | | | | |
| 10 min | Feedback | | | | |