Preparation for class

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| Subjects:  Extracurricular activity | * Biology * Chemistry * Informatics with technology * English |
| Teachers:  Elementary School "Aleksa Đilas Bećo" Mojkovac | Dušanka Tomović  Nataša Marković  Ivana Bjelić Ilinčić  Dragica Bogavac |
| The theme: | **Waste composting** |
| Learning outcomes | * understand the importance of recycling   • explain the impact of waste on comprehensive environmental pollution  • discuss the amount of waste and its biodegradability  created daily by human activities  • promote the circular economy and its principles  • understand the importance of good waste management  • explain the importance of composting |
|  | 1. Literacy competence:  It increases the number of words in the vocabulary including terms from the circular economy both in English and in Montenegrin-Serbian, Bosnian and Croatian languages.  2. Mathematical competence and competence in science, technology and engineering  Collects and classifies data according to the required criteria (from the area of ​​circular economy)  They develop and apply knowledge and skills in order to solve life problems  problems and situations (waste problem)  3. Digital competence:  Analyzes and compares the validity and reliability of defined sources of data, information and digital content key to waste issues and their end use  Responsible use of digital technology, use of 3D printers using plastic bottles  4. Personal, social and competence of learning how to learn  They recognize the need to change their model of behavior and living  He argues the expressed views and opinion (especially on the topic of circular economy)  5. Civil competence:  Responsible attitude towards the environment. He understands the importance of recycling in preserving the environment and voluntarily engages in compost preparation activities at the school level, both individually and in groups and pairs.  Works with various teams to identify and mobilize human and other resources to sustain planned activities  In connection with the circular economy  7. Language competences  Expresses interest in studying the mentioned subjects, languages ​​and cultures. |
| Class | Nineth |
| Number of hours of implementation | 2 lesson (Eco corner, school yard) |
| Required material | Organic waste (fruits, vegetables, cereals, eggshells, leaves...) |
| Activity | 1. Lesson  • Brought organic waste, collected in advance, the students observe (remnants of fruits and vegetables, twigs, leaves...) and make suggestions as to what it could be used for and what they would personally do with it.  • They watch a short video on waste selection and recycling  <https://www.youtube.com/watch?v=CGPG1Ej_tPs>  • After watching the video, there is a discussion on the given topic. The teacher makes sure that the emphasis is placed on organic waste. They compare the suggestions they made at the beginning of the lesson with what they learned from the video. They draw a conclusion.  • Through the presentation and discussion, students are introduced to the concept of composting, the types of composting containers, the material from which they can be made, the way they are made and used, that is, how and where we can use compost.  • Students make a production plan and a list of the necessary materials. They make a choice of the container that we will use in the school for composting (according to the students' abilities),  • Division of tasks (one group of students will bring the material needed to make a composter, and the other will collect organic waste from the household during the week).  2. lesson  • Choosing a location in the school yard for installation  composting bins  • Making and placing the container  • Filling the container with collected organic waste  • Agreement on future responsibilities for monitoring and maintenance  compost mass and, if necessary, addition of new bio waste. |
| Review of implementation | Students showed great interest in this type of class. They had greater freedom of mutual communication and discussion considering that it was an extracurricular activity in the Eco classroom and outside the school premises. They understood the concept and importance of the circular economy and developed an awareness of environmental pollution as well as recycling and composting. They notice and draw attention to students if they misbehave during the long break, i.e. if they do not dispose of waste in the designated places.  With the help of the teaching and extracurricular staff (who were familiar with the project's goal in advance), they provide themselves with a safe and pleasant environment. |