



BotSTEM – Erasmms+ KA2 Project

2017-1-ES01-KA201-038204

Good practice template

1. Title of the activity / practice	Multiplication with the numbers 2,3,5 and 10
2. Origin of the activity	A primary school teacher Vesela Bogdanovik lesson plan (copy right material) Link to the webpage the activity was taken from http://ucimenizigra.ucoz.com/index/mnozhe_e_so_1_2_3_4_5_10/0-356
3. Age of the students	7 years old students
4. Target group (type of the learners, size of the group)	Second Graders in Primary Schools in Macedonia (the lesson was conducted with about 10 students) but it can be done with as many there are. They might need be divided into groups with a student leader however, and as a leader the teacher can appoint someone or the children do. Best option is however for the children to rotate
5. School subjects + topics concerned	Math/ Multiplication (finding the patterns in multiplications)
6. Educational goals of the practice	- Students will understand how multiplication works and how else they can do it by means of using addition of the numbers that are to be multiplied. Also the use of other visual clues (beans, coins , button etc.) to ensure understanding
7. Duration	40 Minutes
8. Place	In the classroom/ hall/ outside



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9. Short description of the activity

The teacher prepares flowers with the multiplications with the numbers in question (2, 3, 5, 10) already written. She invites the students to discuss and come to a conclusion as to what the numbers represent.



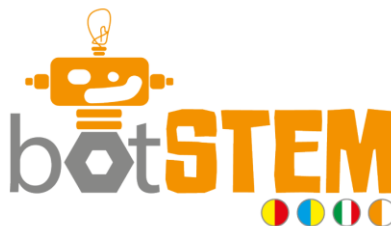
Once the students have realized how it works they move on to the game. The game is as follows:

The children roll the multicolored dice and choose a flower with a number written on it

(on the pictures below). After that they try to calculate and find the result and they are allowed to ask for help and support. They explain how they have come to the result by means of writing the numbers and using addition (if they want) or any other way they want. Then the next child has ago and so on.

Once this is done they prepare flowers with numbers for their friends and then try to solve he equations. The teacher takes the back seat and allows the children to do all the work and help each other and obviously helps if need be.





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10. Evaluation	The teacher evaluates the engagement of the students during the activity. The children self -evaluate and evaluate their friends in a non -competitive and friendly manner.
11. Materials / Resources / Technical requirements	Paper, dice made out of paper, chalks (in different colours)
12. Tips for educators / Theoretical background (if applicable) or curriculum context	<p>The teacher can use what they have and she can ask the students to help preparing the materials as making them herself can take a lot of time. In this way the children will revise.</p> <p>There are also printable on the net which the teacher can print out</p> <p>Another idea is for the children to have numbers attached to their blouses and then the teacher called out number (say 30) the child number 10 and child number 3 need to stand next to each other.</p> <p>This activity is very good for mixed ability classes and SEN children as they can always call for support and help and moving around also helps a great deal in creating good group dynamics.</p>