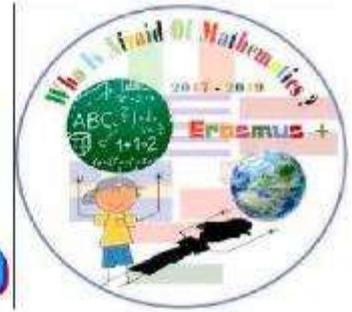


LESSON PLAN

Who is Afraid of Mathematics?



Category: MATHS in HEALTHY LIFESTYLE

Title of the activity:

“Trade of Italian Food and Tiramisu recipe”

Year Group: Grade 1 Primary School (6years old)

Teachers: Renzoni Lisa, Guglielmi Cristina, Andolfatto Maria

Learning Objectives:

The activities are interdisciplinary and involve many subjects: Mathematics, English, Technology, History and Italian.

1. To make a simple object of collective use by planning the measurements, the use of materials and tools.
2. To count and use numbers in trading situations.
3. To make additions.
4. To use money.
5. To use numbers to cook recipes.
6. To be able to communicate in Italian and English in trading activities.

Success Criteria:

1. The close relationship between thinking and doing.
2. Mathematical workshops where it is possible to discuss about real mathematical situations.
3. The link of mathematics with multiple aspects of practical life (grocery shopping, cooking, etc.).
4. The usefulness of Mathematics to solve problematic situations.

Resources:

- The work is carried out by the curricular teachers and the special needs teacher together with the children.
- Recovery materials (e.g. empty containers and bottles) and games with euros are used.
- The activities take place mainly during Mathematics and English classes, but also during the breaks in the form of spontaneous play.

Differentiation:

- All activities are carried out in groups or in pairs; this also allows children with expressive or logical difficulties to find support in the companion.
- The purchases, proposed by the children themselves in game mode, are easy for everyone to understand.

Lesson Description:

STEP 1: SALES

1. Construction of a supermarket stall in order to play shopping.
2. Pricing of products (recovered food containers) establishing a realistic price for each product.
3. Simulations of shopping situations in Italian and in English.
4. Calculation of amounts by addition.

STEP 2: THE RECIPE

1. Mathematical study of a dessert recipe (Tiramisu).
2. Study of the procedure for making the recipe.
3. Preparation of the dessert.

Introduction:

- Plan the construction of the stall with a collective discussion and develop the willingness to modify the project in progress by sharing the decisions.
- Decide the prices of the products to identify a product also based on the value.
- Know how to name products in English.
- Know the numbers by 20 and have dealt with the change of ten.
- Know the numbers in English by 10.

- Know the euro (coins of 1, banknotes of 5 and 10).
- Know how to name the products in English.

Main Lesson:

1. Children simulate purchases with simple sentences in Italian and English:
 - Good morning/Hello.
 - I would like a bottle of ...
a pack of ...
 - How much is it? It costs ...
 - Thank you.
2. Problem situations are improvised by children or proposed by the teacher with problems in the exercise book.
3. A series of problems concern the purchase of products to make a tiramisu to offer to guest teachers:
 - How many eggs do you need?
 - How many tablespoons of sugar do you need?
 - How many biscuits do you need?
 - How many people are there?
 - How much do we spend on the ingredients?
 - How much do we spend for dishes, spoons, glasses?

The activities develop over a period of about a month.

Plenary:

The activities motivated very much the children, who welcomed with joy the idea of being able to make a cake to offer to the teachers.

It was a good opportunity to work as a team, overcoming egocentricity and learning to deal with peers.

The acquisition of mathematical and English-language contents was facilitated by the practical aspect of the activities (usually the same objectives require longer time frames).

In particular, the counting and calculation of additions were speeded up.

Furthermore the knowledge of English words and phrases has been strengthened.

The children recognized the need and importance of being able to communicate in English.

PHOTOS

