

Curricular subject area – Mathematics

Activity Name: Materials Auction

Who is it for: all children from the 5th year

Objectives: To encourage cooperation between students and mental calculation

Materials: Teacher: Whiteboard and pen.

Students: Notebook and pen

Activity: The teacher writes on the board three materials (cereals, wood and iron). Each group of students will start with 100 coins and will be able to spend them as they wish throughout the auction.

In the end, each combination of 3 kg of cereals, 2 kg of wood and 1 kg of iron corresponds to 1 person. The group that manages to form more people wins.

The activity is divided into two parts: the first (auction) in which each group can bid and the second (commercial exchanges) in which the groups can exchange materials with each other.

There will be 9 auction rounds: - the first bidding for 3 kg of grain, - the second for 2 kg of wood;

- 1kg of iron;

- 6kg of cereals; - 4kg of wood; - 2kg of iron;

- 12kg of cereals; - 8kg of wood; - 4kg of iron.

At the end of these 9 rounds, groups can exchange materials between themselves.

Evaluation – At the end, students should understand that with mutual assistance they will achieve better results.

Activity Name: Aquarium volumes

Who is it for: all children from the 6th year onwards

Objectives: Encourage a taste for the ocean and calculating volumes

Materials: Teacher. whiteboard and pen.

Students: Notebook and pen

Activity: The teacher should show a video in order to stimulate students' creativity

(<https://www.youtube.com/watch?v=Kq5D8k4BVXs>).

Then each student should draw 4 different aquariums in the notebook with the same volume.

Evaluation – At the end, students should change notebooks and verify that despite the volume being the same, the drawings are different.

Activity Name: Mathematical sticks

Who is it for: all children from the 1st year onwards

Objectives: Encourage a taste for calculating sums.

Materials: Teacher. Medical sticks with sums without the result, some sticks say Kaboom!

Activity: The teacher should ask the students to sit in a circle, the sticks should be in a cup. It is important that the numbers are faced down. Each student takes turns and reads the sum out loud, if the answer is correct the student can keep the stick. If it is wrong the stick goes back into the cup. If a student takes a Kaboom! Stick it loses all his sticks.

Evaluation – At the end, students should have as many sticks as they can. The winner is the student with more sticks.

Tip: This game can also be used for reading activities and the sums can be adapted to the age and contents.



Activity Name: Geometric solids

Who is it for: all children from the 1st year onwards

Objectives: To review contents for the geometric solids and shapes

Materials: Teacher. Flashcards for 3 groups (5 students each)

Activity: The teacher divides the class in 3 groups, the children had the previous knowledge on the subject. The teacher gives the flashcards and told them they had to divide them into two groups for geometric solids and shapes. Afterwards, she asked to divide into circle, triangles, squares and rectangle. Then they had to use the name cards to identify the pictures. The last stage of the activity is to divide the pictures accordingly to the sides for the shapes and solids.

Evaluation – At the end, students should have been able to divide the groups of shapes and solids. The teacher will assess during the game.

Tip: You can use the file in pdf and write the words in your language.

