



Movement game

The students form a bridge that will enable them to cross a “river”.

The students form two groups on one side of the classroom. Hand each student one sheet of A4 paper. Their task is to get to the other side of the classroom without touching the floor. The floor is the river, which they can only get across by standing on the sheets of paper (the bridge). The winning team is the first to get all its members to the other bank of the river.

The solution

The students must come up with their own ideas of how to get from one end of the classroom to the other. The solution to the problem is for the group to connect together all the sheets of paper possessed by its members to form a bridge along which they can cross to the other “bank” without touching the floor. They can also place the sheets on the floor at such a distance from each other that they can jump from one to another.



Movement game

Together the students form a centipede that must move in a coordinated way.

Divide the students into 2 groups. At the start they should stand in single-file, one student standing behind another, their legs set apart. Tie the left legs of the students with a piece of string. Their task is to make their way together from one end of the classroom to the other. It's important that they work together and synchronize their movements in such a way that they can maneuver themselves with the least difficulty. The team that is first to reach the other side of the classroom wins.

This task is only completed when all the members have safely crossed the finishing line.



Constructing

Teams build a structure that will allow the egg to land safely.

Each team gets the necessary materials: 3 straws, a plastic cup, adhesive tape, scissors, 3 balloons, 2 white A4 sheets, a newspaper, a paper towel, a raw egg.

Teams work independently. Their task is to invent and build a structure.

Teams should not copy from each other - projects should be original.

Teams do not have to use all the materials they have received.

It is important that all people in the team are involved in inventing or creating a solution in some way.

Time to complete the task is about 20 minutes.

Here you can see some examples of the protective constructions for an egg.



Source of the picture: <https://www.youtube.com/watch?v=AHT5uElkm58>



Sources of pictures:

<http://www.sp1konin.wikom.pl/?url=aktualnosci/projekty/216,a,kompetencje-na-szostke-jak-wspolnie-zapracowac-na-sukces.html>

<https://www.youtube.com/watch?v=AHT5uElkm58>

<https://buggyandbuddy.com/stem-kids-egg-drop-project/>