**Decomposing of materials in nature**

**Opening remarks**: The teacher will start by asking the students what are the materials that mankind is throwing to waste? What kind of materials decompose fast? What decompose slowly?

**Main program**:

* The teacher will divide the students to 2-4 groups (according to the number of participants).
* Each group will get 2 sets of prints – one print of pictures and one of numbers (appendix 1).
* All groups will have 4-6 minutes to decide as a group what number (of years) goes with each picture.
* When the time runs out the teacher will go over the correct answers and reward the wining group.

**Information chart**:

|  |  |
| --- | --- |
| **Material** | **Time of Decomposing**  **(Years)** |
| Leather | 50 |
| Organic waste | 1 month |
| Paper and cardboard | 3 months |
| Cotton fabric | 6 months |
| Wool | 1 |
| Wood | 50 |
| Tin | 100 |
| Aluminum | 400 |
| Plastic and nylon | 200 |
| Diaper | 500 |
| Glass | 1,000,000 |
| Styrofoam | Never |
| Rubber tire | Never |
| Cigarette | 15 |

At the end of the program think about presenting the students the short video clip about “Hirya” the waste site that was transformed to a park and educational recycling center.

http://www.youtube.com/watch?v=deA8021hLXg

**Appendix 1**



Tip: write at the other side of each picture the name of the material.