Spicy Solar System

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| Goal | Model the solar system with edible ingredients |
| Age | 5 upwards |
| Difficulty | Easy to Medium |
| Skills | Understanding scales |
| Materials | See table |
| Pre-requisites | Minimal knowledge about the Solar System |

Introduction

This model aims at representing the solar system to scale (sizes of the objects) based on edible ingredients that can easily be found in most environments. If these ingredients are hard to find, they can of course be replaced by another of the same size.

The Solar System

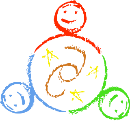
|  |  |
| --- | --- |
| Sun | basket ball |
| Mercury | mustard seed |
| Venus | yellow lentil |
| Earth | pepper corn |
| - Moon | poppy seed |
| Mars | red lentil |
| Asteroid belt | flour |
| Jupiter | grapefruit |
| Saturn | orange (with a paper ring) |
| Uranus | onion |
| Neptune | orange/mandarine |
| (Pluto) | poppy seed |

Extension

You can play several games with the children: order the planets according to their distance from the sun, their sizes (which is the smallest, biggest, etc.)

In a classroom, “planet boxes” can be made: a box of mustard seeds labelled “Mercury”, a box of lentils labelled “Mars”. Etc.

Source: Pratham – UNAWE India



Translation by:



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Universe Awareness