

Spicy Solar System

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

