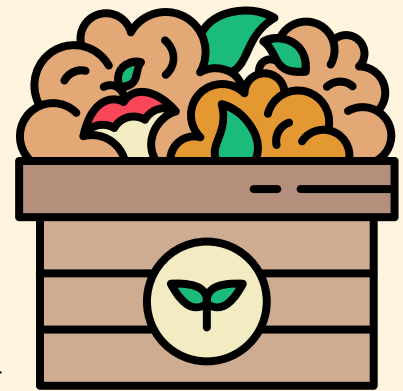


# Worm Composting



In our Worm Composting adventure, we'll create a special home for red worms and feed them with fruit and vegetable scraps. The incredible part is that these worms will transform the scraps into something wonderful called compost!

## Materials

- Large plastic container or wooden box with lid
- Drill
- Shredded newspaper/cardboard
- Red worms
- Fruit and veggie scraps

## Science Behind the Experiment

The Worm Composting experiment, also known as vermicomposting, involves using red worms to break down organic waste like fruit and vegetable scraps. As the worms eat and digest the waste, it undergoes decomposition, resulting in nutrient-rich worm castings. These castings are a valuable form of compost that enriches the soil with essential nutrients for plant growth. Vermicomposting promotes the growth of beneficial microorganisms, which further enhances the composting process. This eco-friendly experiment showcases nature's recycling process, the importance of reducing food waste, and the interconnectedness of living organisms in sustaining a healthy environment.

## Step 1: Prepare composting bin

Find a suitable container to create your worm composting bin. It can be a large plastic container or a wooden box with a lid. Drill some small holes in the lid and on the sides for ventilation. Line the bottom of the bin with a layer of shredded newspaper or cardboard as bedding for the worms.

## Step 2: Add red worms

Purchase red worms from a gardening store or online. Place the red worms on top of the bedding in the composting bin.

## Step 3: Feed the worms

Feed the worms with fruit and vegetable scraps. Bury the food scraps slightly under the bedding to prevent any unpleasant smells.

## Step 4: Observe composting process

Close the lid of the composting bin and keep it in a cool, shady place. Check on the worms regularly to see how they munch on the food scraps!