



PLANT AND ANIMAL UNITS

INTRODUCTION

Cells are the basic building blocks from which all living organisms are created. An understanding of this most fundamental unit of life enables learners to understand the different functions and processes that cells make possible in both plants and animals.

Learners begin by understanding the different cells found in plants and animals along with their functions. They build models of plant and animal cells with commonly available materials displaying the cell structure.

Learners exit this module with an understanding of the structure and functions of plant and animal cells. They create their model of the perfect cell demonstrating their understanding.

This module is a part of the “UNDERSTAND - THE SCIENCE THAT RUNS THE WORLD” series.

MODULE DETAILS

- **Series 1: Understand - The Science That Runs The World**
- **Module 2: Plant and Animal Units**
- **Student Accomplishment Level: 2**

Grade Group : 4-5 Number of Sessions: 8 Session Duration: 60 min

SESSION EXPERIENCE

1. **Tuning in:** Understand the module structure and goals. Learn the tool used in the module.
2. **Structure and function of plant cell 1:** Start building a plant cell. Learn the functions of a plant cell
3. **Structure and function of plant cell 2:** Complete building your plant cell and learn the different organelles and their functions.
4. **Structure and function of animal cell 1:** Start building an animal cell. Learn the functions of an animal cell.
5. **Structure and function of animal cell 2:** Complete building your animal cell and learn the different organelles and their functions.
6. **Design the Perfect Cell:** Design and sketch the perfect cell.
7. **Build the Perfect Cell:** Build and evaluate the cell that you designed in the previous session.
8. **How did I do?** Reflect on the learnings from the module: Identifying and differentiating between plant and animal cells and their functions. Present work done to peers.

Learning Objectives:

Learners will:

1. Identify a plant cells, its organelles and their individual functions.
2. Identify an animal cell, its organelles and their individual functions.
3. Follow instructions, conduct research, solve problems and create tangible artifacts.
4. Engage in active collaboration and communication.

