



# Welcome to Virtual Experiments

Explore hands-on science virtually

Chemistry

Biology

Physics

## Featured Experiments

Featured

DNA double helix

DNA Extraction Kit

**Chemistry**

Microscope view

Cell Structure Exploration

**Biology**

## Latest Experiments



Microbiology Study

by Dr. Smith

January 2023




Atomic Structures Lab

Sign In

Register Now


## Student Reviews



Emma Watson

★★★★★

Amazing experience!



John Doe

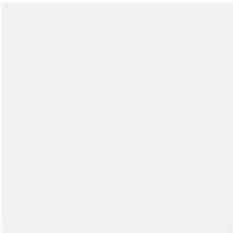
Great way to learn

Search for Experiments



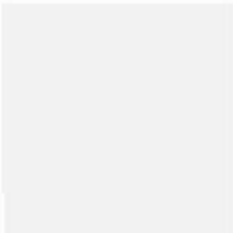


## How It Works




Choose Experiment

Select from various categories



Start Learning

Engage in interactive experiments



Track Progress

Monitor your learning journey

## Popular Tags

## Popular Tags



Search



Chemical R...

## User Engagement Metrics

[View Details >](#)

Experiments Comple...

236

Average Rating

4.8

## Virtual Labs Showcase



Home



Search



Analytics

# Experiment Categories



## Physics

Explore fun physics experiments

[View More >](#)

New

Motion graphics

Experiment 1

**Data here**



Popular

Visualizations

Experiment 2

**Data here**



## Chemistry

Exciting chemistry experiments

[View More >](#)

New

Molecular structures

Experiment 1

Popular

Reactions

Experiment 2

# Biology

Discover the wonders of biology

[View More >](#)

New

Cell patterns

Experiment 1

Data here



Popular

Microscopic world

Experiment 2

Data here



# Earth Science

Journey through Earth's science

[View More >](#)

New

Topographic patterns

Experiment 1

Data here



Popular

Ecological systems

Experiment 2

Data here



# Space Science

Explore the mysteries of space

[View More >](#)

New

Popular

Experiment 1

**Data here**



Experiment 2

**Data here**



## Space Science

Explore the mysteries of space

[View More >](#)

New

Star patterns

Experiment 1

**Data here**



Popular

Cosmic phenomena

Experiment 2

**Data here**



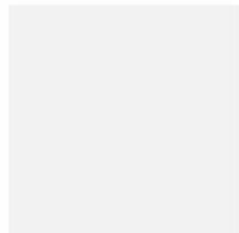
# Individual Experiment Page



## Experiment Title

Difficulty Level: Intermediate

## Learning Objectives



### 1. Understand the principles of virtual experiments

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam.



### 2. Practice utilizing virtual equipment

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam.

## Required Virtual Equipment

Check Availability

Virtual Bunsen Burner

Burner Simulator

**Quantity: 1 unit**

Check Availability

Virtual Test Tubes

Tube Simulator

**Quantity: 5 units**

Step-by-Step...

Interactive Si...

Results Reco...

Disc

**Start Experiment**

## Student Feedback



Sarah Johnson



Great learning experience!



Michael Smith

Highly recommended  
experiment.

## Tools and Instructions



Lab Notebook

Record observations here



Experiment Guidelines

Follow the steps carefully

**Experiment Results**



## Experiment Data Analysis

Success Rate

**80%**

+5% from previous

Accuracy

**90%**

-2% from previous

[Download Report](#)

## Share Your Experience

Experiment in progress

Excited to see the results!  
#science #experiment

Virtual Lab STEM

 Alex Turner

Experiment setup

Ready to start the  
experiment journey. #lear...

Virtual Learning

 Emily Perker



Home



Search



Settings

# Student Dashboard

## Recommended Experiments

Chemistry

Experiment image

Experiment 1  
Details

Physics

Experiment image

Experiment 2  
Details

## Recent Activities

Experiment  
Experiment name

Completed

Study  
Topic

In progress

**User Name**  
Grade 10 Student

Add Note

Save Experiment

Lab Rules

Safety Symbols

Emergency Procedu...

## Lab Rules

**Lab Clothing**  
Wear appropriate lab coats and closed-toe shoes.

## Lab Clothing

Wear appropriate lab coats and closed-toe shoes.

## Safety Equipment

Ensure the availability and proper use of safety goggles and gloves.

### Lab Gear

## Safety Quiz Results

Score

**90%**

Correct Answers

**9 out of 10**

### Select the Correct Symbol



Home



Experiments

Results & Analysis



Data  
Collection...



Graph  
Plotting T...



Analysis  
Guidelines



Observati...



Conclusio...

Real-time Calculations

 Calculation 1 Value 1


 Calculation 2 Value 2

Export Section

PDF

Document icon


Export as PDF  
Download



CSV

Document icon

Export as CSV  
Download



Export

Print

Save

Overview

Total Data Points

1500

Average Value

75

+5%



**Sarah Anderson**

Product Designer

## Progress Statistics

Completed Projects 85%



Task Efficiency 92%



## Preferences

Dark Mode ☐

Notifications ☒

## Notification Settings

Email Notifications ☒

Push Notifications ☒

## Achievements



Pro



Fast



Expert



Verified