



**learning**  
*by* **doing**

# **Experiential Learning in Formal School Education**

**Project Result 2: Development of  
Repository with Training  
Material & Activities of  
Experiential Learning**

## **Science**



Colégio do Sardão



## Project Information

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## Annex 2: General Plan Of Course Thematic

<b>Course thematic</b>	CLIL
<b>Type of Activity</b>	Hands-on Experiment
<b>Key Words</b>	Water cycle, jobs, plants, time, shapes, Christmas, communication, transportation, animals

### OVERALL DESCRIPTION

Teaching science, geography, social studies, and maths in English

### OVERALL DURATION

10 teaching hours

### LEARNING OBJECTIVES

This course aims to:

1. Identify and explain the stages of the water cycle, including evaporation, condensation, and precipitation.
2. identify and describe different jobs and careers from various cultures.
3. Identify and describe the different parts of a plant.
4. Learn to read and tell the time accurately.
5. Understand that shapes are everywhere.
6. Understand and appreciate diverse holiday traditions.
7. Students will grasp the fundamental concepts of the planets, the sun, and other celestial bodies.
8. Understand the concept of communication and its importance in human interactions.
9. Identify common modes of transportation.
10. exhibit understanding and appreciation for the significant role animals play in providing essential products for human consumption.



## LEARNING OUTCOMES

By the end of the course, a student will be able to:

1. Describe the processes of evaporation, condensation, and precipitation, connecting theoretical knowledge to real-world observations.
2. Develop effective research and presentation skills through group collaboration and information synthesis.
3. Explain the functions of roots, stems, leaves, and flowers, connecting theoretical knowledge to real-world applications.
4. Read and interpret time on both analog and digital clocks confidently, demonstrating comprehensive understanding of time measurement.
5. Name common shapes, including circle, square, triangle, rectangle, and oval, demonstrating a comprehensive understanding.
6. Understand diverse holiday traditions and customs, demonstrating cultural awareness and sensitivity.
7. Identify and describe the characteristics of different planets in the solar system, showcasing knowledge of planetary features.
8. Describe the concept of communication and its significance in human interactions.
9. Learn the characteristics of vehicles that operate in each environment.
10. Recognize and name different products obtained from animals, such as milk, eggs, wool, and honey.



## OVERALL STRUCTURE OF COURSE

### Topic

**Lesson 1:** Water cycle

### Description

In this immersive lesson, students will embark on a captivating journey through the water cycle. Through a hands-on experiment, vivid visual aids, and engaging discussions, they will gain a deeper understanding of the water cycle's intricacies.

### Duration

45 minutes

### Materials

- Diagram
- Water, containers, heat source, plastic wrap, ice cubes



## Topic

**Lesson 2:** Jobs Around the World

## Description

The "Jobs Around the World" lesson is a dynamic exploration of the global job market and its cultural intricacies. Students will embark on a journey to understand the diversity of professions across different cultures, all while critically analyzing the impact of globalization on these career choices. The lesson is designed to enhance cultural awareness, foster critical thinking, and develop effective communication and teamwork skills.

## Duration

60 minutes

## Materials

- Whiteboard, markers,
- poster boards, markers,
- Online books, articles,
- webpages





## Topic

**Lesson 3:** Parts of the plants

## Description

This captivating lesson engages students in exploring the intricate world of plants. Through an interactive worksheet activity, students will identify and describe different parts of plants, gaining an understanding of their functions.

## Duration

60 minutes

## Materials

- Projector, screen, speakers.
- Youtube video or short video
- Actual plant parts, Cardboards, markers
- Cardboards



## Topic

**Lesson 4:** Telling the Time

## Description

In this lesson, students will embark on a journey to master the art of telling time using both analog and digital clocks. Through a series of engaging interactive games and hands-on activities, they will not only understand the concepts of hours and minutes but also develop the skills to accurately read and interpret time in various contexts.

## Duration

60 minutes

## Materials

- Whiteboard, marker, physical analog clock, multimedia presentation.
- Analog clocks
- Digital clock simulator



## Topic

**Lesson 5:** Shapes

## Description

This engaging lesson immerses students in the exploration of common shapes. Through real-life examples, hands-on activities, and interactive discussions, students will not only learn to recognize and name shapes but also understand the ubiquity of shapes in their surroundings.

## Duration

45 minutes

## Materials

- Powerpoint presentation
- Worksheet



## Topic

**Lesson 6:** Christmas Festive Fun

## Description

The "Christmas Festive Fun" lesson aims to immerse students in the rich tapestry of cultural Christmas celebrations. Through interactive presentations, discussions, and hands-on crafts, students will explore the diverse holiday traditions, fostering cultural awareness, and engaging in creative activities that reflect the beauty of cultural diversity.

## Duration

45 minutes

## Materials

- Powerpoint presentation
- Cards with Christmas traditions from different cultures, dices, and boards
- Crafting materials (paper, glue, scissors, etc.).



## Topic

**Lesson 7:** Exploring space

## Description

In this lesson, students will embark on an exciting journey to explore the wonders of our solar system. Through interactive exploration and engaging activities, they will learn about the planets, the sun, and other celestial bodies that make up our cosmic neighborhood. By the end of the lesson, students will have a deeper understanding of the solar system's composition, characteristics, and significance in the universe.

## Duration

60 minutes

## Materials

- Solar system 3D model
- Props to craft



## Topic

**Lesson 8:** Means of communication

## Description

In this lesson, students will embark on an interactive journey to explore various means of communication used by humans throughout history. Through hands-on activities and engaging discussions, they will learn about different modes of communication, including verbal, written, and technological forms. By the end of the lesson, students will have a deeper appreciation for the diversity of communication methods and their role in connecting people across time and space.

## Duration

60 minutes

## Materials

- Real means of communication
- Craft supplies



## Topic

**Lesson 9:** Transportation

## Description

In this lesson, students will learn about different modes of transportation and categorize them based on whether they travel on land, water, or air. Through a fun and interactive classification activity, students will familiarize themselves with various vehicles and understand where they operate. By the end of the lesson, students will be able to identify common transportation modes and their corresponding environments.

## Duration

45 minutes

## Materials

- Flashcards
- Bamboozle game



## Topic

**Lesson 10:** What animals give us

## Description

In this lesson, students will embark on an engaging journey to discover the various products that animals provide for us. Through activities, discussions, and a captivating story, students will develop a deeper understanding of the importance of animals in our lives and expand their English vocabulary related to the topic.

## Duration

45 minutes

## Materials

- Flashcards

## ASSESSMENT METHODS

Assessment will be based on students performance on the arts and crafts and activities held throughout the lessons.





# 1st Lesson Plan

**EXPLORING  
THE WATER  
CYCLE**



## Course Category

Science

## Title of Lesson

Exploring the Water Cycle

## Type of Activity

Hands-on Experiment

## Key Words

Water cycle, evaporation, condensation, precipitation

## Lesson Description

In this immersive lesson, students will embark on a captivating journey through the water cycle. Through a hands-on experiment, vivid visual aids, and engaging discussions, they will gain a deeper understanding of the water cycle's intricacies.

## Lesson Duration

45 minutes



## Learning Objectives

### **Understand the different stages of the water cycle.**

- Students will be able to identify and explain the stages of the water cycle, including evaporation, condensation, and precipitation

### **Identify the key processes involved in the water cycle.**

- Students will apply their knowledge by describing and illustrating the key processes of the water cycle through the hands-on experiment.

### **Conduct an experiment to observe and record changes in the water cycle.**

- Students will actively engage in the scientific method, formulating hypotheses, conducting experiments, and analyzing results.

### **Analyze and interpret experimental results.**

- Students will critically evaluate their observations, discuss any unexpected outcomes, and infer connections to real-world water cycle phenomena.

### **Participate in a class discussion to share observations and insights.**

- Students will enhance their verbal communication skills by articulating their thoughts, actively listening to peers, and contributing meaningfully to the discussion.

### **Use appropriate scientific terminology to explain the water cycle.**

- Students will expand their scientific vocabulary, enabling them to articulate concepts accurately and confidently.

### **Analyze the environmental impact of disruptions in the water cycle.**

- Students will explore the broader implications of water cycle disturbances on ecosystems, emphasizing the interconnectedness of environmental processes.



## Learning Outcomes

By the end of this lesson, a student will be able to:

**Terminology Mastery:**

- Explain the water cycle using appropriate scientific terminology.

**Process Description:**

- Describe the processes of evaporation, condensation, and precipitation, connecting theoretical knowledge to real-world observations.

**Critical Thinking:**

- Analyze the impact of the water cycle on the environment and human activities.

**Communication Skills:**

- Communicate effectively during the class discussion, expressing thoughts and observations clearly.

**Scientific Inquiry:**

- Outcome: Formulate hypotheses about the experimental results and discuss potential variations in the water cycle under different conditions.

**Connection to Everyday Life:**

•Relate the learned concepts to practical scenarios, emphasizing the relevance of the water cycle in daily life.

**Environmental Awareness:**

- Develop an understanding of the environmental consequences of disruptions in the water cycle, fostering a sense of responsibility towards nature.



## Structure of lesson

### 1st Step

## Introduction

### Materials – Face to Face

- **Diagram**

### Materials – Online

### Duration -(minutes)

**5 minutes**

### Notes - Description of step – Explanations

- Begin with an interactive diagram showcasing the water cycle stages.
- Discuss key terms and their meanings.
- Pose a question to activate prior knowledge: "Can anyone name the stages of the water cycle?"



## 2nd Step

### Experiment

#### Materials – Online

**Water, containers, heat source, plastic wrap, ice cubes**

#### Duration -(minutes)

**20 minutes**

#### Notes - Description of step – Explanations

- Provide clear instructions for the hands-on experiment:
- Fill a small bowl or cup with water, leaving space at the top.
- Seal the bowl or cup tightly with plastic wrap.
- Place ice cubes on the plastic wrap.
- Position the bowl or cup in a sunny spot or near a heat source.
- Observe the setup over time and record changes.
- Circulate among groups to ensure correct execution understanding.

## 3rd Step

### Discussion

#### Duration -(minutes)

**20 minutes**

#### Next step for online procedure

- Facilitate a class discussion: Encourage students to share observations from the experiment.
- Discuss any unexpected results and their possible explanations.
- Relate observations to the water cycle concepts learned.
- Ask probing questions: "Why is evaporation important?" or "How does the experiment mimic natural processes?"



## Assessment Methods

Students' observation: Assessment will be based on students' ability to make accurate observations during the experiment and contribute meaningfully to the class discussion.

Class discussion participation: Assess students on their active involvement, contributions, and ability to express ideas during the group discussion.

### What is the worst that could happen with this lesson?

Challenge: Varied results in the experiment.

Challenge: Limited engagement during the discussion.

Challenge: Technical issues in online settings.

### What will you do to correct it?

Correction: Address misconceptions and unexpected outcomes during the class discussion. Emphasize the importance of understanding the scientific process, regardless of the specific results.

Correction: Encourage participation by posing thought-provoking questions, providing positive reinforcement, and creating a supportive discussion environment.

Correction: Have alternative materials or videos available, and troubleshoot technical issues beforehand. Consider asynchronous options for the experiment if real-time engagement is challenging.



# 2nd Lesson Plan



**JOBS AROUND  
THE WORLD**





## Course Category

Social Studies

## Title of Lesson

Jobs Around the World

## Type of Activity

Group Presentation

## Key Words

Jobs, careers, occupations, globalization

## Lesson Description

The "Jobs Around the World" lesson is a dynamic exploration of the global job market and its cultural intricacies. Students will embark on a journey to understand the diversity of professions across different cultures, all while critically analyzing the impact of globalization on these career choices. The lesson is designed to enhance cultural awareness, foster critical thinking, and develop effective communication and teamwork skills.

## Lesson Duration

60 minutes



## Learning Objectives

### **Knowledge:**

·Learn about various jobs and careers in different cultures.  
Students will identify and describe different jobs and careers from various cultures.

### **Application:**

·Understand the impact of globalization on job opportunities.  
Students will analyze the influence of globalization on job choices.

## Learning Outcomes

By the end of this lesson, a student will be able to:

### **Cultural Awareness:**

·Identify and describe different jobs and careers from various cultures, demonstrating cultural sensitivity.

### **Globalization Understanding:**

·Analyze the influence of globalization on job choices, considering how cultural exchange impacts the global job market.

### **Research and Presentation Skills:**

·Develop effective research and presentation skills through group collaboration and information synthesis.

### **Critical Thinking:**

·Apply critical thinking skills to evaluate the implications of globalization on job opportunities and cultural diversity.

### **Communication Skills:**

·Enhance oral communication skills by presenting findings coherently and participating in discussions.

### **Team Collaboration:**

·Collaborate effectively within a group, sharing responsibilities and contributing to a collective understanding of diverse professions.



## Structure of lesson

### 1st Step

#### Introduction

##### Materials – Face to Face

- Whiteboard, markers

##### Materials – Online

##### Duration -(minutes)

**5 minutes**

##### Notes - Description of step – Explanations

- Initiate a class discussion on the significance of jobs and careers in different cultures.
- Define and explain the concept of globalization, emphasizing its role in shaping job opportunities globally.



## 2nd Step

# Research and Preparation

## Materials – Face to Face

- poster boards, markers,

## Duration -(minutes)

**30 minutes**

## Notes - Description of step – Explanations

- Divide the class into groups, assigning each group a specific culture or country to focus on.
- Provide clear instructions for research, guiding students to explore diverse jobs and careers within their assigned culture.
- Emphasize the importance of using reliable sources and provide a list of suggested resources.
- Each group creates a visually appealing poster summarizing their findings.



### 3rd Step

## Group Presentations

### Duration -(minutes)

20 minutes

### Materials – Face to Face

- **Online books, articles, webpages**

### Next step for online procedure

- Each group presents their poster, highlighting key jobs and careers in the assigned culture.
- Encourage discussions on how globalization has influenced the job opportunities presented.
- Foster a supportive environment for questions and reflections from the class.

### 4th Step

## Reflection

### Duration -(minutes)

5 minutes

### Next step for online procedure

- Pose reflective questions to the class, such as "How do global professions contribute to cultural exchange?" or "What challenges and opportunities does globalization present for job choices?"
- Encourage students to express their thoughts and insights gained from the presentations.



## Assessment Methods

- Students' presentation skills, engagement, and the depth of their analysis.
- Evaluate students' ability to articulate reflections and engage in thoughtful discussion.
- Assessment of students' understanding involving peer evaluations. Each group could assess the presentations of other groups, providing constructive feedback on content, clarity, and the effectiveness of the analysis of globalization's impact on job opportunities.

### What is the worst that could happen with this lesson?

**Challenge:** Difficulty finding accurate or comprehensive information.

**Challenge:** Uneven participation in group work.

**Challenge:** Limited time for in-depth discussions.

**Challenge:** Lack of cultural sensitivity in presentations.

### What will you do to correct it?

**Correction:** Guide students in using reliable sources, provide a list of suggested resources, and monitor their research progress to ensure accuracy and completeness.

**Correction:** Promote teamwork through clear roles and responsibilities within groups. Monitor group dynamics and intervene as needed to ensure equitable participation.

**Correction:** Allocate additional time for discussions if needed. Alternatively, encourage students to continue discussions outside the classroom through online platforms or assignments

**Correction:** Emphasize the importance of cultural sensitivity during the introduction and reinforce it throughout the lesson. Provide guidelines on respectful representation and encourage students



# 3rd Lesson Plan

**PARTS OF THE  
PLANTS**



## Course Category

Science

## Title of Lesson

Parts of the plants

## Type of Activity

Interactive Worksheet

## Key Words

Plants, roots, stems, leaves, flowers

## Lesson Description

This captivating lesson engages students in exploring the intricate world of plants. Through an interactive worksheet activity, students will identify and describe different parts of plants, gaining an understanding of their functions.

## Lesson Duration

60 minutes





## Learning Objectives

### **Knowledge:**

- Identify and describe the different parts of a plant.
- Students will label the different parts of a plant correctly.

### **Application:**

- Understand the functions of each plant part.
- Students will explain the functions of roots, stems, leaves, and flowers.

## Learning Outcomes

By the end of this lesson, a student will be able to:

### **Visual Literacy:**

- Label the different parts of a plant correctly, demonstrating a clear understanding of plant anatomy.

### **Functional Understanding:**

- Explain the functions of roots, stems, leaves, and flowers, connecting theoretical knowledge to real-world applications.

### **Collaborative Skills:**

- Engage in group work, actively participating in the collection and assembly of plant parts.



## Structure of lesson

### 1st Step

## Introduction

### Materials – Face to Face

- **Projector, screen, speakers.**

### Materials – Online

- **Youtube video or short video**

### Duration -(minutes)

**5 minutes**

### Notes - Description of step – Explanations

- Start with a brief discussion on the importance of plants and their various parts.
- Introduce a lively YouTube song or short video highlighting different plant parts and their functions.
- Engage students in a Q&A session to check their prior knowledge.



## 2nd Step

### Group work

#### Materials – Face to Face

- Actual plant parts, Cardboards, markers.

#### Duration -(minutes)

35minutes

#### Notes - Description of step – Explanations

- Divide the class into small groups, assigning each group a specific plant part (roots, stems, leaves, or flowers).
- Provide instructions for students to go outside and collect the assigned plant part without uprooting or damaging the plants

## 3rd Step

### Group Presentations

#### Duration -(minutes)

20 minutes

#### Materials – Face to Face

- Cardboards

#### Next step for online procedure

- Each group presents their cardboard model, explaining the features and functions of the assigned plant part.
- Encourage questions and discussions from the class.



## Assessment Methods

Students' observation: Assessment will be based on students' ability to collect plant parts responsibly, collaborate in groups, and effectively present their findings.

**What is the worst that could happen with this lesson?**

**Challenge:** Difficulty finding plant parts without uprooting them.

**Challenge:** Unequal participation in group work.

**Challenge:** Limited time for in-depth discussions.

**What will you do to correct it?**

**Correction:** Provide guidance during the outdoor activity, emphasizing responsible collection without causing harm. Offer alternative materials or assist students in finding suitable plant parts.

**Correction:** Encourage balanced participation by assigning specific roles within each group. Monitor group dynamics and intervene as needed to ensure equitable involvement.

**Correction:** Allocate additional time for presentations if needed. Alternatively, encourage students to create concise and informative presentations to fit the time constraints.



# 4th Lesson Plan



TELLING THE  
TIME



## Course Category

Math

## Title of Lesson

Telling the Time

## Type of Activity

Interactive Worksheet

## Key Words

Time, clocks, hours, minutes

## Lesson Description

In this lesson, students will embark on a journey to master the art of telling time using both analog and digital clocks. Through a series of engaging interactive games and hands-on activities, they will not only understand the concepts of hours and minutes but also develop the skills to accurately read and interpret time in various contexts.

## Lesson Duration

60 minutes

## Learning Objectives

### Knowledge:

- Understand the concepts of hours and minutes on a clock.
- Students will grasp the fundamental concepts of time measurement on both analog and digital clocks.

**Application:**

- Learn to read and tell the time accurately.
- Students will develop the skills to read and interpret time on analog and digital clocks with precision.

**Critical Thinking:**

- Analyze and compare different time representations.
- Students will critically evaluate the differences between analog and digital representations of time.

**Problem-Solving:**

- Apply time-telling skills to real-life scenarios and word problems.
- Students will solve practical time-related problems, demonstrating the application of acquired skills.

## Learning Outcomes

By the end of this lesson, a student will be able to:

**Time Literacy:**

- Read and interpret time on both analog and digital clocks confidently, demonstrating a comprehensive understanding of time measurement.

**Practical Application:**

- Demonstrate the ability to tell the time in daily activities, showcasing the practical application of the acquired time-telling skills.

**Technological Proficiency:**

- Navigate and utilize digital clock simulators effectively, applying knowledge gained during the digital clock activity.

**Analytical Skills:**

- Analyze and compare the representation of time on analog and digital clocks, identifying similarities and differences.

**Problem-Solving Mastery:**

- Apply time-telling skills to solve real-life scenarios and word problems, showcasing a high level of problem-solving proficiency



## Structure of lesson

### 1st Step

#### Introduction

##### Materials – Face to Face

- Whiteboard, marker, physical analog clock, multimedia presentation.

##### Duration -(minutes)

10 minutes

##### Notes - Description of step – Explanations

- Begin with a brief discussion on the importance of telling time in daily life.
- Review the components of both analog and digital clocks, emphasizing the roles of hours and minutes.
- Use visual aids such as diagrams, a physical clock model, or a multimedia presentation for clarity.

### 2nd Step

#### Analog Clock Activity

##### Materials – Face to Face

- Analog clocks

##### Duration -(minutes)

20 minutes





## Notes - Description of step – Explanations

- Distribute analog clocks to each student or group along with worksheets containing various times to be practiced.
- Guide students through the process of reading and interpreting time on analog clocks.
- Conduct interactive exercises and challenges, encouraging students to actively engage with the analog clocks.
- Introduce the concept of "Time Sculptures," where students use their bodies to represent clock hands and demonstrate different times.

### 3rd Step

## Digital Clock Activity

### Duration -(minutes)

20 minutes

### Materials – Online

- **Digital clock simulator**

### Next step for online procedure

- Introduce an online digital clock simulator or interactive game, creating a collaborative and competitive "Digital Quest."
- Assign tasks or challenges that require students to read and interact with digital clocks, earning points for accuracy and speed.
- Monitor progress, provide support where needed, and encourage healthy competition.



## 4th Step

### Wrap-up

#### Duration -(minutes)

10 minutes

#### Next step for online procedure

- Summarize the key concepts covered during the lesson.
- Facilitate a class discussion on how accurate time-telling is relevant in everyday activities.
- Introduce a brief activity where students apply their time-telling skills to solve real-life scenarios or word problems.



## Assessment Methods

Assessment will be based on students' engagement, understanding of time-telling concepts, participation in interactive activities, and problem-solving proficiency.

### What is the worst that could happen with this lesson?

**Challenge:** Difficulty in grasping the concept of reading time.

**Challenge:** Unequal participation in activities.

**Challenge:** Technical issues during the online segment.

### What will you do to correct it?

**Correction:** Provide additional practice opportunities, offer one-on-one support to struggling students, and use visual aids or manipulatives to reinforce the concepts.

**Correction:** Encourage balanced participation by adjusting the difficulty levels of activities. Monitor progress and provide additional support as needed.

**Correction:** Have contingency plans for technical difficulties, such as alternative offline activities or supplementary resources. Ensure students have access to digital devices for online activities.



# 5th Lesson Plan

SHAPES



## Course Category

Math

## Title of Lesson

Shapes

## Type of Activity

Shapes are everywhere

## Key Words

Circle, rectangle, triangle, square

## Lesson Description

This engaging lesson immerses students in the exploration of common shapes. Through real-life examples, hands-on activities, and interactive discussions, students will not only learn to recognize and name shapes but also understand the ubiquity of shapes in their surroundings.

## Lesson Duration

45 minutes



## Learning Objectives

### **Knowledge:**

- Understand that shapes are everywhere.
- Students will develop an awareness of the presence of shapes in their surroundings.

### **Application:**

- Learn the names of common shapes.
- Students will be able to recognize and name shapes such as circle, square, triangle, rectangle, and oval.

### **Critical Observation:**

- Identify and point out shapes in real-world objects.
- Students will actively engage in observing their environment and recognizing shapes in everyday objects.

## Learning Outcomes

By the end of this lesson, a student will be able to:

### **Shapes Literacy:**

- Name common shapes, including circle, square, triangle, rectangle, and oval, demonstrating a comprehensive understanding.

### **Environmental Shapes Recognition:**

- Recognize and point out different shapes in their surroundings, showcasing the practical application of shape knowledge.



## Structure of lesson

### 1st Step

#### Introduction

##### Materials – Face to Face

- Powerpoint presentation

##### Duration -(minutes)

10 minutes

#### Notes - Description of step – Explanations

- Use a PowerPoint presentation to introduce and visually display shapes such as circle, square, triangle, rectangle, and oval.
- Show real-life examples of each shape, discussing their characteristics and where they can be found in the environment.

### 2nd Step

#### Worksheet

##### Materials – Face to Face

- Worksheet

##### Duration -(minutes)

25 minutes



## Notes - Description of step – Explanations

- Distribute shape cut-outs and worksheets to each student.
- Instruct students to sort and glue the shapes onto the worksheet according to their respective categories.
- Circulate among students to provide assistance and guidance.

### 3rd Step

## Correction and recap

### Duration -(minutes)

**15 minutes**

### Next step for online procedure

- Ask students to share their completed worksheets, discussing their choices and reasoning.
- Recap the names and characteristics of the shapes as a class.
- Encourage students to find and point out different shapes in their surroundings.





## Assessment Methods

Assessment will be based on students' engagement, understanding of shape concepts, participation in the worksheet activity, and ability to identify shapes in their environment.

**What is the worst that could happen with this lesson?**

**Challenge:** Some students may struggle to see similarities between a shape and an object.

**What will you do to correct it?**

**Correction:** Draw the object, emphasizing the shape first, and encourage students to observe the characteristics closely. Provide additional examples to reinforce the connection between shapes and real-world objects.



# 6th Lesson Plan

**CHRISTMAS  
FESTIVE FUN**



## Course Category

Social studies

## Title of Lesson

Christmas Festive Fun

## Type of Activity

Interactive presentation and crafts

## Key Words

Christmas, Traditions, Holidays, Crafts, Cultural Awareness

## Lesson Description

The "Christmas Festive Fun" lesson aims to immerse students in the rich tapestry of cultural Christmas celebrations. Through interactive presentations, discussions, and hands-on crafts, students will explore the diverse holiday traditions, fostering cultural awareness, and engaging in creative activities that reflect the beauty of cultural diversity.

## Lesson Duration

45 minutes



## Learning Objectives

### **Cultural Awareness:**

- Understand and appreciate diverse holiday traditions.
- Students will develop an awareness and appreciation for the cultural diversity associated with Christmas celebrations.

### **Creative Engagement:**

- Engage in creative activities related to Christmas.
- Students will actively participate in hands-on crafts, fostering creativity and cultural expression.

### **Cultural Literacy:**

- Explain the meaning and significance of Christmas in different cultures.
- Students will articulate the cultural significance of Christmas in various regions, fostering global awareness.

## Learning Outcomes

By the end of this lesson, a student will be able to:

### **Cultural Literacy:**

- Explain the meaning and significance of Christmas in different cultures, showcasing a nuanced understanding of diverse traditions.

### **Holiday Traditions:**

- Understand diverse holiday traditions and customs, demonstrating cultural awareness and sensitivity.

### **Creative Expression:**

- Outcome: Create Christmas crafts that reflect cultural diversity, showcasing creativity and an appreciation for varied cultural expressions.



## Structure of lesson

### 1st Step

#### Introduction

##### Materials – Face to Face

- Powerpoint presentation

##### Duration -(minutes)

5 minutes

##### Notes - Description of step – Explanations

- Use a captivating PowerPoint presentation to introduce the concept of Christmas traditions globally.
- Engage students in a brief discussion about their own family traditions during the holiday season.

### 2nd Step

#### Adventure game

##### Materials – Face to Face

- Cards with Christmas traditions from different cultures, dices, and boards

##### Duration -(minutes)

25 minutes



## Notes - Description of step – Explanations

- Divide students into small groups and provide each group with a set of cards depicting Christmas traditions from various cultures.
- Instruct each group to explore and discuss the traditions on their cards, fostering cultural awareness.
- Encourage groups to share their findings with the class, promoting a rich exchange of cultural insights.

### 3rd Step

## Real-Life Application

### Duration -(minutes)

15 minutes

### Materials – Online

- **Crafting materials (paper, glue, scissors, etc.).**

### Next step for online procedure

- Provide materials for Christmas crafts that represent different cultural symbols or traditions.
- Guide students in creating their crafts, emphasizing the cultural significance behind each element.
- Allow time for students to share their creations and discuss the cultural aspects incorporated.



## 4th Step

### Wrap-up

#### Next step for online procedure

- Summarize the cultural insights gained during the lesson.
- Invite students to share their experiences and reflections on the cultural exploration and crafting activities.



## Assessment Methods

Assessment will be based on students' engagement, understanding of cultural concepts, active participation in the crafting activity, and reflections shared during the wrap-up.

**What is the worst that could happen with this lesson?**

**Challenge:** Limited access to crafting materials.

**Challenge:** Sensitivity to diverse beliefs and traditions.

**Challenge:** Time constraints for the adventure game and crafting activity.

**Challenge:** Technical issues with the PowerPoint presentation or online materials.

**What will you do to correct it?**

**Correction:** Prior to the lesson, ensure that an ample supply of crafting materials is available. Encourage students to bring in any additional materials they may have at home. Provide alternative crafting options or adjust the activity if necessary to accommodate resource constraints.

**Correction:** Foster an inclusive environment by emphasizing the celebration of various cultural traditions without promoting one over another. Ensure that discussions and activities are open-minded and address any concerns or questions that may arise during the lesson.

**Correction:** Allocate sufficient time for each phase of the lesson or consider breaking down the lesson into two sessions if necessary. Provide clear instructions on time management and encourage students to stay focused on the tasks at hand.

**Correction:** Have a backup plan in place, such as a printed version of the presentation. Test technical equipment beforehand to minimize disruptions during the lesson.





# 7th Lesson Plan

**EXPLORING  
SPACE**



## Course Category

Science

## Title of Lesson

Exploring space

## Type of Activity

Interactive Exploration

## Key Words

Solar system, planets, sun, celestial bodies, space

## Lesson Description

In this lesson, students will embark on an exciting journey to explore the wonders of our solar system. Through interactive exploration and engaging activities, they will learn about the planets, the sun, and other celestial bodies that make up our cosmic neighborhood. By the end of the lesson, students will have a deeper understanding of the solar system's composition, characteristics, and significance in the universe.

## Lesson Duration

60 minutes



## Learning Objectives

### **Knowledge:**

- Understand the composition and structure of the solar system.
- Students will grasp the fundamental concepts of the planets, the sun, and other celestial bodies.

### **Application:**

- Identify and describe the characteristics of different planets in the solar system.
- Students will apply their understanding of the solar system to explain phenomena such as day and night, seasons, and eclipses.

### **Critical Thinking:**

- Analyze the relative sizes and distances of celestial bodies in the solar system.
- Students will critically evaluate the scale and proportions of objects in space.

### **Problem-Solving:**

- Apply knowledge of the solar system to solve space-related problems and challenges.
- Students will demonstrate problem-solving skills by navigating hypothetical space scenarios.

## Learning Outcomes

By the end of this lesson, a student will be able to:

- Describe the composition and structure of the solar system, demonstrating a comprehensive understanding of celestial bodies.
- Identify and describe the characteristics of different planets in the solar system, showcasing knowledge of planetary features.
- Analyze the relative sizes and distances of celestial bodies, demonstrating critical thinking skills in space exploration.
- Apply knowledge of the solar system to solve space-related problems and challenges, showcasing proficiency in space science.



## Structure of lesson

### 1st Step

#### Introduction

##### Duration -(minutes)

**10 minutes**

##### Notes - Description of step – Explanations

- Begin with a brief discussion on the solar system and its significance.
- Introduce the planets in our solar system, emphasizing their unique characteristics and positions.
- Use visual aids such as images, diagrams, or videos to illustrate the scale and diversity of the solar system.

### 2nd Step

#### Planet exploration

##### Materials – Face to Face

- **Solar system 3D model**

##### Duration -(minutes)

**20 minutes**

##### Notes - Description of step – Explanations

- Set up stations representing different planets in the solar system, each with a 3D model.



- Allow students to explore and gather information about each planet, focusing on its size, composition, atmosphere, and other notable features.
- Facilitate discussions on the similarities and differences between planets and their significance in the solar system.

### 3rd Step

## Build your model.

### Duration -(minutes)

20 minutes

### Materials – Online

- **Props to craft**

### Next step for online procedure

- Construct a scale model of the solar system using props or digital simulations.
- Demonstrate the relative sizes and distances of celestial bodies, such as the sun, planets, and moons.
- Engage students in activities to estimate distances between planets and discuss the concept of astronomical units.

### 4th Step

## Wrap-up

### Next step for online procedure

- Summarize the key concepts covered during the lesson, emphasizing the diversity and complexity of the solar system.
- Facilitate a class discussion on the significance of space exploration and our understanding of the universe.



## Assessment Methods

Assessment will be based on students' engagement, understanding of solar system concepts, participation in exploration activities, and problem-solving proficiency.

**What is the worst that could happen with this lesson?**

**Challenge:** Lack of engagement during planet exploration.

**Challenge:** Misunderstanding of scale and proportions in the solar system model. .

**Challenge:** Limited resources for constructing a solar system model.

**What will you do to correct it?**

**Correction:** Provide guided questions or prompts to stimulate curiosity and interest.

**Correction:** : Offer additional explanations, demonstrations, and comparisons to clarify the scale and proportions of celestial bodies. Provide opportunities for students to visualize and interact with scaled models or digital simulations.

**Correction:** Adapt the lesson using alternative materials or digital resources to create a virtual solar system model. Encourage creativity and exploration within the constraints of available resources.



# 8th Lesson Plan



**MEANS OF  
COMMUNICATION**



## Course Category

Social studies

## Title of Lesson

Means of communication

## Type of Activity

Hands-on Exploration

## Key Words

Television, newspaper, telephone, internet, magazine

## Lesson Description

In this lesson, students will embark on an interactive journey to explore various means of communication used by humans throughout history. Through hands-on activities and engaging discussions, they will learn about different modes of communication, including verbal, written, and technological forms. By the end of the lesson, students will have a deeper appreciation for the diversity of communication methods and their role in connecting people across time and space.

## Lesson Duration

60 minutes





## Learning Objectives

- Understand the concept of communication and its importance in human interactions.
- Students will grasp the diversity of means of communication used by humans.
- Identify and describe different modes of communication, including verbal, written, and technological forms.
- Students will apply their understanding of communication methods to create their own messages using various mediums.
- Analyze the evolution of communication technology and its impact on society.
- Students will critically evaluate the advantages and disadvantages of different means of communication.

## Learning Outcomes

By the end of this lesson, a student will be able to:

- Describe the concept of communication and its significance in human interactions.
- Identify and describe different modes of communication, showcasing knowledge of various communication methods.
- Analyze the evolution of communication technology and its impact on society, demonstrating an understanding of technological advancements.
- Apply knowledge of communication methods to solve communication-related challenges, showcasing proficiency in social problem-solving.



## Structure of lesson

### 1st Step

#### Introduction

##### Duration -(minutes)

**10 minutes**

##### Notes - Description of step – Explanations

- Begin with a brief discussion on the importance of communication in everyday life.
- Introduce the concept of means of communication and its role in connecting people.

### 2nd Step

#### Communication stations

##### Materials – Face to Face

- Real means of communication

##### Duration -(minutes)

**10 minutes**

##### Notes - Description of step – Explanations

- Set up stations representing various means of communication, such as telephones, letters, radios, and computers.
- Allow students to explore each station, experimenting with different communication methods.



- Facilitate discussions on the characteristics of each means of communication and how they have evolved over time.

### 3rd Step

## Create a message.

### Duration -(minutes)

30 minutes

### Materials – Online

- **Craft supplies**

### Next step for online procedure

- Provide students with materials to create their own messages using different mediums, such as writing, drawing, or recording audio.
- Encourage creativity and experimentation as students craft their messages.
- Facilitate sharing sessions where students can present their messages and discuss the methods they chose.

### 4th Step

## Wrap-up

### Next step for online procedure

- Summarize the key concepts covered during the lesson, emphasizing the diversity of means of communication.
- Facilitate a class discussion on the importance of effective communication and how different communication methods serve different purposes.
- Introduce a brief activity where students reflect on their learning and share one new thing they learned about means of communication.



## Assessment Methods

Assessment will be based on students' engagement, understanding of communication concepts, participation in exploration activities, and creativity in message creation.

**What is the worst that could happen with this lesson?**

**Challenge:** Lack of engagement during hands-on exploration.

**Challenge:** Difficulty in understanding the evolution of communication technology.

**Challenge:** Limited resources for creating messages.

**What will you do to correct it?**

**Correction:** Provide guided questions or prompts to stimulate curiosity and interest.

**Correction:** Offer simplified explanations and visual aids to illustrate the progression of communication technology over time. Provide examples and anecdotes to make historical concepts more relatable and understandable for young learners.

**Correction:** Encourage resourcefulness and creativity by allowing students to use readily available materials for message creation. Provide alternative options for students who may have difficulty accessing certain materials.



# 9th Lesson Plan

**TRANSPORTATION**



## Course Category

Geography

## Title of Lesson

Transportation

## Type of Activity

Classification activity

## Key Words

Transportation, vehicles, land, water, air

## Lesson Description

In this lesson, students will learn about different modes of transportation and categorize them based on whether they travel on land, water, or air. Through a fun and interactive classification activity, students will familiarize themselves with various vehicles and understand where they operate. By the end of the lesson, students will be able to identify common transportation modes and their corresponding environments.

## Lesson Duration

45 minutes



## Learning Objectives

- Identify common modes of transportation.
- Students will learn the characteristics of vehicles that travel on land, water, and air.
- Classify vehicles based on their mode of operation.
- Students will apply their knowledge to categorize transportation modes correctly.

## Learning Outcomes

By the end of this lesson, a student will be able to:

- Identify common modes of transportation, including vehicles that travel on land, water, and air.
- Learn the characteristics of vehicles that operate in each environment.
- Classify vehicles based on their mode of operation, distinguishing between land, water, and air transportation modes.
- Understand the importance of transportation in connecting people and goods across different environments.
- Recognize the diversity of transportation modes and their corresponding environments.



## Structure of lesson

### 1st Step

#### Introduction

##### Duration -(minutes)

**10 minutes**

##### Notes - Description of step – Explanations

- Begin with a brief discussion on the importance of transportation in everyday life.
- Introduce the concept of transportation modes and explain the categories: land, water, and air.

### 2nd Step

#### Classification memory game

##### Materials – Face to Face

- flashcards

##### Duration -(minutes)

**15 minutes**

##### Notes - Description of step – Explanations

- Display pictures of various transportation vehicles.
- Introduce and explain the words “land, water and air”.
- Play a memory game on the board, in which they must associate the transport to the word representing where it travels.





## 3rd Step

### Bamboozle game

#### Duration -(minutes)

10 minutes

#### Materials – Online

- Bamboozle game <https://www.baamboozle.com/games>

#### Next step for online procedure

- Play an online Bamboozle game to consolidate what they were taught.

## 4th Step

### Wrap-up

#### Duration -(minutes)

10 minutes

#### Next step for online procedure

- Review the categories of transportation modes and discuss examples from the classification activity.
- Encourage students to reflect on what they've learned about transportation modes.
- Assign a simple follow-up activity, such as drawing or writing about their favorite mode of transportation.



## Assessment Methods

•Assessment will be based on students' ability to correctly classify transportation vehicles based on whether they travel on land, water, or air in both games.

**What is the worst that could happen with this lesson?**

**Challenge:**Difficulty in understanding the classification criteria.

**Challenge:**Confusion about specific vehicles.

**What will you do to correct it?**

**Correction:** Provide clear explanations and examples of vehicles that operate on land, water, and air. Use visual aids and real-life examples to illustrate the differences between transportation modes.

**Correction:** : Offer additional information or clues about vehicles that students find challenging to classify. Encourage peer collaboration and discussion to support each other in identifying different transportation modes.



# 10th Lesson Plan

**WHAT ANIMALS  
GIVE US**



## Course Category

Science

## Title of Lesson

What animals give us

## Type of Activity

Storytelling

## Key Words

Wool,milk,cows, sheep,eggs, chickens

## Lesson Description

In this lesson, students will embark on an engaging journey to discover the various products that animals provide for us. Through activities, discussions, and a captivating story, students will develop a deeper understanding of the importance of animals in our lives and expand their English vocabulary related to the topic.

## Lesson Duration

45 minutes



## Learning Objectives

- Students should exhibit understanding and appreciation for the significant role animals play in providing essential products for human consumption, as demonstrated through discussions and reflections.
- Students are expected to demonstrate the ability to recall and identify various products obtained from animals, showcasing knowledge acquisition through successful matching activities.

## Learning Outcomes

By the end of this lesson, a student will be able to:

- Recognize and name different products obtained from animals, such as milk, eggs, wool, and honey.
- Understand the significance of animals in providing essential products that humans use in their daily lives.
- Expand their English vocabulary related to animals and their products, including animal names and product names.
- Reflect on their learning and experiences throughout the lesson, consolidating their understanding and making personal connections to the topic.



## Structure of lesson

### 1st Step

#### Introduction

##### Duration -(minutes)

**10 minutes**

##### Notes - Description of step – Explanations

- Greet the students and introduce the topic: "Today, we are going to learn about animals and the things they give us."
- Show pictures of different animals and elicit responses from the students about what they know animals give us.

### 2nd Step

#### Vocabulary repetition and game

##### Materials – Face to Face

- flashcards

##### Duration -(minutes)

**15 minutes**

##### Notes - Description of step – Explanations

- Present flashcards with animal names and product names.
- Have students repeat the words after you, emphasizing pronunciation.
- Encourage students to match the animal with the product by placing the flashcards on the board.



## 3rd Step

### Storytelling

Duration -(minutes)

15 minutes

Materials – Face to Face

- “The cow that laid an egg”

Next step for online procedure

- Gather the students together and review the matches made by them.
- Ask students questions to stimulate discussion:  
"Why do we need products from animals?"  
"How do these products help us in our daily lives?"
- Read a storybook “ The cow that laid an egg.” that features animals and their products, emphasizing the importance of animals in our lives.

## 4th Step

### Wrap-up

Duration -(minutes)

10 minutes

Next step for online procedure

- Summarize the lesson by highlighting the importance of animals and the products they give us.
- Encourage students to reflect on what they have learned.
- Review key vocabulary words and concepts from the lesson.



## Assessment Methods

•Assessment will be based on students' ability to correctly classify transportation vehicles based on whether they travel on land, water, or air in both games.

**What is the worst that could happen with this lesson?**

**Challenge:**Some students may have limited exposure to the concept of animal products, especially if they come from urban environments or have not had direct experiences with farms or animals.

**Challenge:**Students may have different levels of English language proficiency, affecting their ability to understand instructions or express themselves during activities.

**Challenge:** Balancing the various activities within the allotted time frame may prove challenging, especially if certain activities take longer than anticipated.

**What will you do to correct it?**

**Correction:**Begin the lesson by eliciting students' prior knowledge and experiences with animals. Use concrete examples and visuals to make the concept more relatable and understandable. Incorporate storytelling or real-life anecdotes to provide context and relevance to the topic.

**Correction:** Scaffold language support by providing visual cues, simplified language, and opportunities for repetition and clarification. Encourage peer collaboration and peer modeling to support language development among all students. Provide bilingual support materials or translation assistance if necessary.

**Correction:** Monitor the pace of the lesson and be prepared to adapt accordingly, prioritizing essential activities and adjusting timelines as needed. Anticipate potential time-consuming tasks and have strategies in place to streamline or simplify them if necessary.