ASSEMBLR | EDU

LESSON PLAN AND CLASSROOM ACTIVITY

INTRODUCTION TO LESSON PLANS AND CLASSROOM ACTIVITY

Hello!

Thank you for bringing Assemblr EDU into your classroom! Our interactive tools, massive 3D library, online classroom management, and Augmented Reality (AR) feature will help teachers and students to unlock the fullest potential of learning. We believe that AR enhances the learning of abilities like problem-solving, collaboration, and creation to better prepare students for the future.

This book will guide you through teaching in the classroom using Assemblr EDU. With lesson plan and classroom activity examples, you will be able to pick and demonstrate the ready-to-use activities to your students along with classroom activity ideas. We've also prepared an empty template sheet for you to edit or submit to us and be a part of this book.

Have fun exploring the limitless possibilities of teaching using Assemblr EDU!

Happy Assembling!

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CLASSROOM ACTIVITY IDEAS

NAME THE PARTS   TEAM   45 MINS

ACTIVITY:
- Get the students ready with their pen/pencil and book/paper.
- Connect a TV or a projector to your tablet/smart phone so that everyone can see the screen.
- Open the project/lesson on Assemblr EDU that you'd like to present to the class.
- Place numbers on the object you'd like to present using the annotation tool.
- Let the students observe the 3D object on the screen.
- Instruct them to name the parts of the object on their book or paper.
- Ask the students to raise their hands to name each of the parts.

TELL A STORY   TEAM   45 MINS

ACTIVITY:
- Instruct the students to think of a story/project to present to the class
- Illustrate their idea using Assemblr EDU on Simple Editor
- Give them some time to construct a project.
- While the students are pouring their ideas on Assemblr EDU, you can connect a TV or a projector to your tablet/smartphone so that everyone can see the screen.
- When everyone is done, pick a student to present their project in front of everyone else.

MAKE A QUIZ   INDIVIDUAL   10 MINS

ACTIVITY:
- Get the students ready with their pen/pencil and book/paper.
- Connect a TV or a projector to your tablet/smartphone so that everyone can see the screen.
- Open the project/lesson on Assemblr EDU that you'd like to set as a quiz to the class.
- Place numbers on the object you'd like to point out to your students in the quiz using the annotation tool.
- Let the students observe the 3D object on the screen.
- Instruct them to answer the questions or name parts of the object as shown on screen and write them down on their quiz sheet according to the numbers listed on the object.

DOWNLOADABLE LESSON PLAN AND CLASSROOM ACTIVITY

Introduction To Frogs

Contributor: Anita Yustisia

Grade Levels 8-11

45 MIN | **DIFFICULTY LEVEL - 1** | **BIOLOGY**

APP/TECH TOOLS:
- **Assemblr EDU (mobile app)**
- **iOS/Android smartphone, iPad or tablet**
- **TV, projector or monitor screen**

MATERIALS:
- **Paper or book**
- **Pen or pencil**
- **Eraser**

SCAN ME

LEARNING OBJECTIVES

- **Introduction to frogs and the amphibian habitat**
- **Discovering and demonstrating the inner parts of a frog**

TAGS

SCIENCE, BIOLOGY, LIFE SCIENCE, FROG, INTESTINES, SKELETON

LESSON ACTIVITY

1. **Distribute the frog image (marker) to students through email/printed on paper or directly shoot the image on the wall using a projector**
2. **Instruct your students to open Assemblr EDU app**
3. **Scan the marker using the "scan" feature on the bottom menu**
4. **Give some time for your students to read the description and grasp the visuals on every page of the slide**
5. **After letting your students inspect the frog model, it is now your turn to ask them questions**

SUGGESTED QUESTIONS

- **What are frogs classified as?**
- **Where are the extra joints on the frog located at?**
- **When do frogs store energy?**
- **Why are frog's skin always moist?**

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The Human Skeleton

Contributor: Fajar Ramdani

Grade Levels 1-6

45 MIN **DIFFICULTY LEVEL - 2** **BIOLOGY**

APP/TECH TOOLS:

- **Assemblr EDU (mobile app)**
- **iOS/Android smartphone, iPad or tablet**
- **TV, projector or monitor screen**

MATERIALS:

- **Paper or book**
- **Pen or pencil**
- **Eraser**

SCAN ME

LEARNING OBJECTIVES

- **Introduction to human skeleton**
- **Discovering and demonstrating the function of each parts of the skeletal system**
- **Create a project on Assemblr EDU and annotate the parts**

TAGS

SCIENCE, BIOLOGY, LIFE SCIENCE, HUMAN SKELETON, SKELETAL SYSTEM

LESSON ACTIVITY

1. **Instruct your students to open Assemblr EDU app**
2. **Let them create a project using Simple Mode and put a skeleton on the workspace**
3. **Name the parts of the skeleton using the *annotation* feature**
4. **Save the project and publish to your classroom**
5. **Connect a tablet/iPad/smartphone to a TV or a projector so that the whole class can see the screen**
6. **Students can now present their project in front of everyone in the classroom**

SUGGESTED QUESTIONS

- **What does the human skeleton do?**
- **What is the human skeleton made of?**
- **What are the 5 main function of the skeletal system?**
- **What are the names of the human skeleton?**

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Inside The Human Heart

Contributor: Risnandar

Grade Levels 6-10

45 MIN | **DIFFICULTY LEVEL - 1** | **BIOLOGY**

APP/TECH TOOLS:

- Assemblr EDU (mobile app)
- iOS/Android smartphone, iPad or tablet
- TV, projector or monitor screen

MATERIALS:

- Paper or book
- Pen or pencil
- Eraser

SCAN ME

LEARNING OBJECTIVES

- Introduction to human heart and the human organ
- Discovering and demonstrating the function of a human heart

TAGS

SCIENCE, BIOLOGY, LIFE SCIENCE, HUMAN HEART, HUMAN ORGAN

LESSON ACTIVITY

1. Distribute the heart image (marker) to students through email/printed on paper or directly shoot the image on the wall using a projector
2. Instruct your students to open Assemblr EDU app
3. Scan the marker using the "scan" feature on the bottom menu
4. Give some time for your students to read the description and grasp the visuals on every page of the slide
5. After letting your students inspect the human heart model, it is now your turn to ask them questions

SUGGESTED QUESTIONS

- What are the four functions of the heart?
- Where is the human heart located?
- What is the heart's main purpose?
- What keeps the heart beating?

The Solar System

Contributor: Asry Rismawati

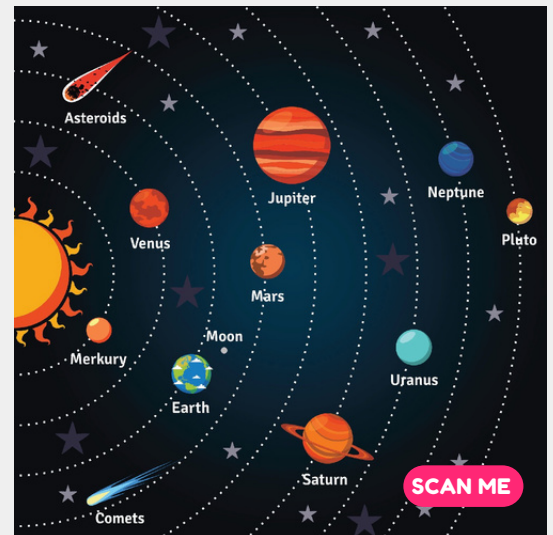Grade Levels **2-6**

45 MIN | **DIFFICULTY LEVEL - 2** | **ASTRONOMY**

APP/TECH TOOLS:

- Assemblr EDU (mobile app)
- iOS/Android smartphone, iPad or tablet
- TV, projector or monitor screen

MATERIALS:

- Paper or book
- Pen or pencil
- Eraser

SCAN ME

LEARNING OBJECTIVES

- Introduction to the solar system
- Discovering the solar system and planets
- Create a project on Assemblr EDU and annotate the planets

TAGS

SCIENCE, ASTRONOMY, SOLAR SYSTEM, OUTER SPACE

LESSON ACTIVITY

1. Instruct your students to open Assemblr EDU app
2. Let them create a project using Simple Mode and put the solar system on the workspace
3. Name the planets using the *annotation* feature
4. Save the project and publish to your classroom
5. Connect a tablet/iPad/smartphone to a TV or a projector so that the whole class can see the screen
6. Students can now present their project in front of everyone in the classroom

SUGGESTED QUESTIONS

- What makes up the solar system?
- What are the 13 planets in our solar system?
- What planet is closest to the sun?
- Can humans breathe on any other planet?

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What Is An Atom?

Contributor: Hasbi Asyadiq

Grade Levels 7-9

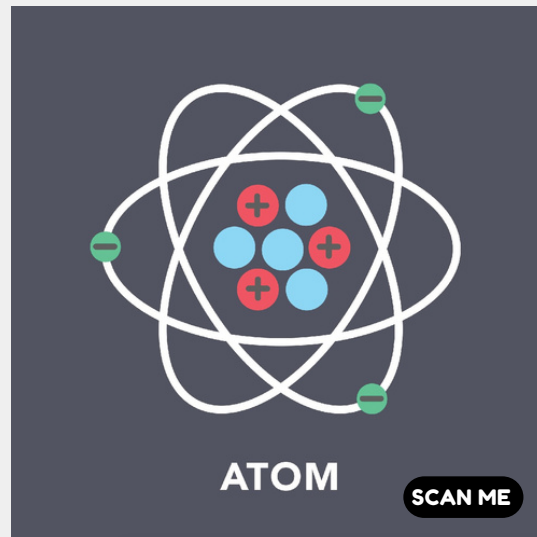**10 - 45 MIN** | **DIFFICULTY LEVEL - 1** | **BIOLOGY**

APP/TECH TOOLS:

- **Assemblr EDU (mobile app)**
- **iOS/Android smartphone, iPad or tablet**
- **TV, projector or monitor screen**

MATERIALS:

- **Paper or book**
- **Pen or pencil**
- **Eraser**

ATOM

SCAN ME

LEARNING OBJECTIVES

- **Introduction to atoms**
- **Discovering and demonstrating the function of an atom**

TAGS

SCIENCE, CHEMISTRY, PHYSICAL SCIENCE, ATOM

LESSON ACTIVITY

1. Distribute the atom image (marker) to students through email/printed on paper or directly shoot the image on the wall using a projector
2. Instruct your students to open Assemblr EDU app
3. Scan the marker using the "scan" feature on the bottom menu
4. Give some time for your students to read the description and grasp the visuals on every page of the slide
5. After letting your students inspect the atom model, it is now your turn to ask them questions

SUGGESTED QUESTIONS

- **What is inside the atom?**
- **Can atoms multiply?**
- **Can an atom be seen?**
- **What makes up all matter on earth?**

Parts Of A Volcano

Contributor: Tazkia Karin

Grade Levels 1-5

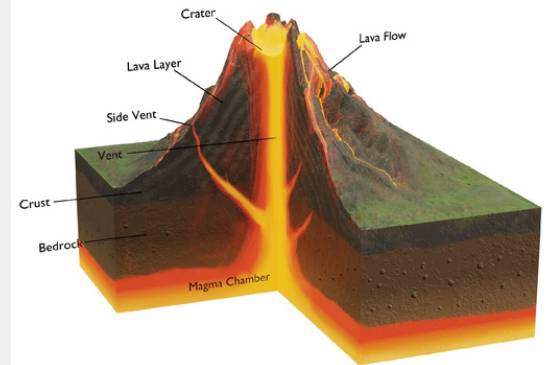**10 – 45 MIN** | **DIFFICULTY LEVEL - 1** | **BIOLOGY**

APP/TECH TOOLS:

- **Assemblr EDU (mobile app)**
- **iOS/Android smartphone, iPad or tablet**
- **TV, projector or monitor screen**

MATERIALS:

- **Paper or book**
- **Pen or pencil**
- **Eraser**

LEARNING OBJECTIVES

- **Introduction to volcanoes**
- **Discovering and demonstrating how a volcanic eruption occurs**

TAGS

SCIENCE, EARTH SCIENCES, VOLCANO

LESSON ACTIVITY

1. **Distribute the volcano image (marker) to students through email/printed on paper or directly shoot the image on the wall using a projector**
2. **Instruct your students to open Assemblr EDU app**
3. **Scan the marker using the "scan" feature on the bottom menu**
4. **Give some time for your students to read the description and grasp the visuals on every page of the slide**
5. **After letting your students inspect the volcano model, it is now your turn to ask them questions**

SUGGESTED QUESTIONS

- **What causes volcanoes?**
- **What is the effect of volcano?**
- **How long does a volcanic eruption last?**
- **What is the biggest volcano?**

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What Is A Tsunami?

Contributor: Hisqie Furqoni

Grade Levels 6-10

10 – 45 MIN | **DIFFICULTY LEVEL - 1** | **BIOLOGY**

APP/TECH TOOLS:

- **Assemblr EDU (mobile app)**
- **iOS/Android smartphone, iPad or tablet**
- **TV, projector or monitor screen**

MATERIALS:

- **Paper or book**
- **Pen or pencil**
- **Eraser**

SCAN ME

LEARNING OBJECTIVES

- **Introduction to tsunami and the natural disaster**
- **Discovering and demonstrating how a tsunami occurs**

TAGS

SCIENCE, EARTH SCIENCE, TSUNAMI

LESSON ACTIVITY

1. **Distribute the tsunami image (marker) to students through email/printed on paper or directly shoot the image on the wall using a projector**
2. **Instruct your students to open Assemblr EDU app**
3. **Scan the marker using the "scan" feature on the bottom menu**
4. **Give some time for your students to read the description and grasp the visuals on every page of the slide**
5. **After letting your students inspect the tsunami model, it is now your turn to ask them questions**

SUGGESTED QUESTIONS

- **How does a tsunami happen?**
- **How long does a tsunami last?**
- **What is the difference between a tidal wave and a tsunami?**
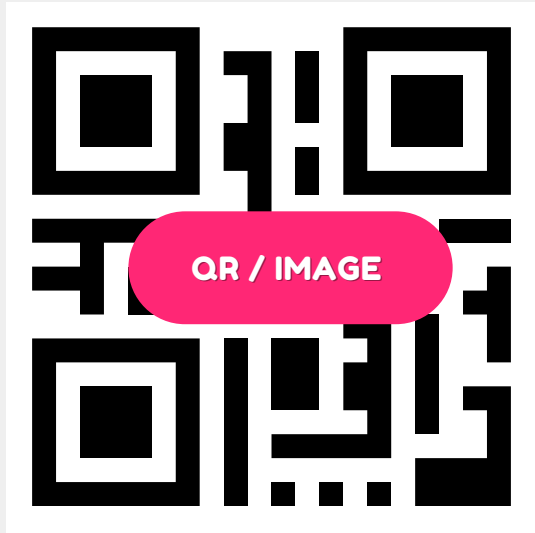- **How do you survive a tsunami?**

EDITABLE TEMPLATE

Lesson Title

Contributor's Name

Grade Levels ?-?

ACTIVITY TIMEFRAME **DIFFICULTY** **SUBJECT**

APP/TECH TOOLS:

MATERIALS:

QR / IMAGE

LEARNING OBJECTIVES

TAGS

LESSON ACTIVITY

SUGGESTED QUESTIONS

SUBMIT A LESSON PLAN AND CLASSROOM ACTIVITY

Submit your lesson plan and classroom activity to get the chance to be featured on our website, e-book, and many other media and available to educators worldwide as an open-sourced database.

Please use the empty template on the previous page and submit in an editable format (PSD/AI/PDF) to be revised by the Assemblr EDU team before published. Submit as many plans as you want, covering several subjects such as biology, chemistry, physics, literature, history, geography, etc.

Send your lesson plan and classroom activity to **edu@assemblrworld.com**

Thank you for your contribution and happy Assembling!

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