Greenscreenbox

Introductory lessons

Ages 4-12

INTRODUCTORY LESSONS | AGES 4-6

In this introductory lesson, students will learn about Greenscreen technology, the Greenscreenbox®, and the associated app.

Learning Objectives:

- Students become familiar with Greenscreen technology.
- Students understand how the Greenscreen effect works.
- Students can apply the Greenscreen technique independently in a photo, stop-motion, and video.

Surprise and fascination are at the heart of this lesson. Ask the children if they can magically create a hole in their hand (use a green circle for this).

Duration: 30–45 minutes

LESSON PLAN

INTRODUCTION

Place the Greenscreenbox® on the table and prepare a background image in the app. Spark the learners' curiosity:

- Who knows what this is?
- What could it be used for?
- Why is it green?

It's not necessary to provide the correct answer at this stage. That will follow in the next activity.

EXPLORATION

The learners collect objects from around the classroom, including green items.

Let the learners place the collected objects into the Greenscreenbox® and observe them on the tablet screen. How strange!

The objects suddenly appear in a completely different environment! Marvel together at this magic and experiment with it.

PRACTISE

After the initial amazement and curiosity, show the learners how they can act out a short story. For example, place a car on a green strip and let it drive through a desert. This provides inspiration for creative play during the working session.

ACTIVITY

Allow the learners to take turns playing freely with the Greenscreenbox® in groups of up to four. During their playtime, gradually introduce them to the various functions: photo, stop motion, and video.

INTRODUCTORY LESSON | AGES 7–9

In this introductory lesson, learners are introduced to Greenscreen technology, the Greenscreenbox®, and its accompanying app.

Learning Objectives

1. Students become familiar with Greenscreen technology.
2. Students can independently apply Greenscreen technology in a photo, a stop motion animation, and a video.
3. Students master the following functions of the Greenscreenbox® app:
   - Taking a photo;
   - Creating a stop motion video and adjusting its speed;
   - Adding voice-overs to a stop motion video;
   - Creating a video;
   - Changing background images.

Greenscreen technology is commonly used in movies, weather reports, advertising, and video calls, among other applications.

Duration: 30-45 Minutes

Green (or blue) is typically chosen because these colors rarely appear in human skin or hair. Additionally, this color is easier for the technology to filter compared to others.

LESSON PLAN

INTRODUCTION

Ask the students if they are already familiar with Greenscreen technology. Can they name some examples of its use?

Open the Greenscreenbox® app and demonstrate how to set a background image.

Place a toy in the Greenscreenbox® and observe together how the app displays the results.

EXPLORATION

Ask the students:

- What happens if you place the toy in a different spot within the Greenscreenbox®?
- Can you align the toy with the background image? For example, place it exactly on a road?
- Think of a way to move the toy without having hands appear in the image.

PRACTISE

Watch a few videos from the Quick Start Guide on the tablet or smartboard for additional inspiration. (The link to the Quick Start Guide can be found in the Greenscreenbox® app.)

ACTIVITY

Allow the students to explore the different recording functions: photo, stop motion, and video.

Divide the students into groups of up to four and let them experiment with the Greenscreenbox® independently.

INTRODUCTORY LESSON | AGES 10–12

In this introductory lesson, students are introduced to Greenscreen technology, the Greenscreenbox®, and its accompanying app. They will also receive background information about this technology.

Learning Objectives

- Students understand Greenscreen technology: its origins, how it works, and its applications.
- Students recognize that Greenscreen technology can create images that are not real.
- Students can independently apply Greenscreen technology in a photo, a stop motion animation, and a video.
- Students master all the functions of the Greenscreenbox® app.
- After this lesson, students can use Greenscreen technology as a presentation tool.

Greenscreen technology dates back to the 1930s–1940s, making it much older than most people think.

Green (or blue) is used because these colors are rarely found in human skin or hair. Additionally, this color is easier to filter using the technology.

Initially, Greenscreen technology was used exclusively for major Hollywood productions and was first implemented as a "blue screen." Later, it became popular for weather reports. During this transition, broadcasters wearing blue suits discovered that their clothing caused unusual effects in front of a blue screen—leading to green becoming the standard.

Duration: 30-45 Minutes

LESSON PLAN

INTRODUCTION

Brainstorming Session:
Who is already familiar with Greenscreen technology?

Explain to the students:

- How old the technology is;
- What Greenscreen technology does;
- How it works;
- Where it is used (e.g., films, weather reports, advertising, social media content, livestreams, video calls, etc.).

EXPLORATION

Students practice using the app by:

- Exploring the different recording options;
- Practicing how to upload their own background images;
- Experimenting with the adjustment wheel (bottom right in the app). By manipulating the three sliders, they can optimize and customize the Greenscreen effect.

PRACTISE

Encourage students to use green blocks and strips to discover fun Greenscreen tricks.

Foster creativity and, if an interesting technique is discovered, have students demonstrate it to their peers to inspire one another.

ACTIVITY

Have students access the recording folder in the app. Videos are temporarily stored there and need to be downloaded to their device or exported to OneDrive/Google Drive.

Observe how students move the figures in their films. If they move the figures too erratically, remind them that such movements can be jarring for viewers and may detract from the quality of the film.