CLIXO
Classroom

Optical Illusions (Grades K–2)

Activity Guide

Written by

Laura Kardys

K–6 grade Art Educator
Schaumburg, IL

Online Activity Page

Optical Illusions (Grades K–2)

Activity Guide

CLIXO Classroom

Overview

This guide provides a structured yet flexible approach to engaging K–2 grade students in exploring optical illusions using Clixo pieces, promoting creativity, critical thinking, and fun.

Objective

Create multiple simple optical illusions using Clixo pieces within a short time frame.

Materials for Each Student

- Clixo pieces (various shapes and colors)
- Paper and pencils (for drawing)
- Example images of optical illusions (e.g., Duck! Rabbit!, old woman/young woman illusion)

Ages

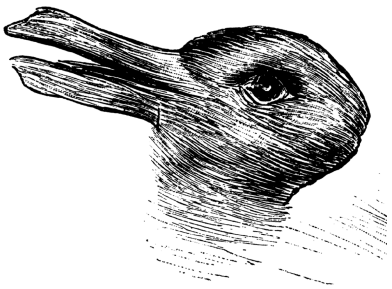
Grade K–2

Skills

- Creativity and Innovation
- Critical Thinking and Problem Solving
- Collaboration
- Design and Engineering Skills
- Communication
- Analytical Skills

Optical Illusions Examples

Duck! Rabbit!



Old Woman / Young Woman





Introduce 5 minutes

- Definition of an optical illusion: An optical illusion is a distortion of perception. The brain arranges, sorts, and organizes data from the senses, leading to a perception that may be different from reality.
- Review examples of optical illusions and discuss the concept in more detail.
- Show how Clixo pieces can be arranged to create illusions that change with different perspectives.



Build & Create 15 minutes

Challenge

- How many different creations can you come up with in 15 minutes?
- Encourage students to use Clixo pieces to create an illusion like the ones shown in the examples (Duck! Rabbit!).
- Create something that can have 2 or more interpretations to it. If you see it from one view it can be one thing and when switched backwards, or flipped, or even viewed the same way it can appear to be something else.



Share & Reflect 5 minutes

- Share and discuss creations with the class.
- Ask students to describe what they see in each other's creations.
- **Example Questions:**
  - What did you see in your creation?
  - Did your friends see the same thing or something different?
  - How did you use Clixo pieces to create different perspectives?

Educational Standards

CCSS ENGLISH LANGUAGE ARTS STANDARDS

CCSS.ELA-LITERACY.SL.K.1
Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups.

CCSS MATHEMATICS

CCSS.MATH.CONTENT.K.G.A.1
Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.

CCSS.MATH.CONTENT.2.G.A.1
Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.

ISTE STANDARDS FOR STUDENTS

1.1.C Empowered Learner
Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.

1.6.C Creative Communicator
Students recognize the rights, responsibilities, and opportunities of living, learning, and working in an interconnected digital world, and they act and model in ways that are safe, legal, and ethical.