

# Color Theory

## Color Mixing and Color Theory

### BIG IDEA:

- Color Mixing and Color Theory

### ESSENTIAL QUESTIONS:

- What color combinations can you use to create other colors?
- What color combinations work best together?
- What role does color play in Op Art?

### GOALS: For students to...

- Understand how to mix primary colors to create secondary and neutral colors.
- Understand what color combinations best complement each other.
- Learn about what role color plays in Op Art.

### OBJECTIVES: Students will...

- Paint a color wheel.
- Use primary colors to create secondary colors.
- Use secondary colors to create tertiary colors.
- Paint various color combinations based on your color wheel.
- Paint a gray scale.
- Use complementary colors to create neutral colors.

### STANDARDS: <http://www.nationalartsstandards.org/>

- **ART:**
  - **VA:CR1.1.HSI:** Use multiple approaches to begin creative endeavors.
  - **VA.CR.2.6a** Demonstrate openness in trying new ideas, materials, methods, and approaches (such as using elements and principles of modern art, applying artistic norms of diverse cultures, addressing social issues in contemporary art, etc.) in making works of art and design.
  - **VA.CR.2.7a.** Demonstrate persistence in developing skills with various materials, methods, and approaches (such as using elements and principles of modern art, applying artistic norms of diverse cultures, addressing social issues in contemporary art, etc.) in creating works of art or design.
  - **Cambridge IGCSE - AO4** Selection and control of materials, media and processes. 1. Show exploration and experimentation with appropriate materials 2. Select and control appropriate media and processes, demonstrating practical, technical and expressive skills and intentions
- **CLEANUP AND MATERIALS STANDARD:**
  - **VA.CR.2.7b** Apply standards of craftsmanship with tools, materials and processes and demonstrate awareness of ethical responsibility to oneself and others

#### SUPPLIES:

- Paint (acrylic)
- Paintbrushes
- Palettes
- Water

#### PRODUCT:

- Painted color wheel worksheet
- Painted color schemes worksheet
- Painted gray scale and neutrals worksheet

#### PRINTABLES:

- Color wheel worksheet
- Color schemes worksheet
- Gray scale and neutrals worksheet

#### POWER POINTS:

- Color Theory Part I
- Color Theory Part II
- Color Theory Part III

#### VOCABULARY:

- Color theory: a body of practical guidance to color mixing and the visual effects of a specific color combination.
- Primary colors: a group of colors from which all other colors can be obtained by mixing.
- Secondary colors: a color resulting from the mixing of two primary colors.
- Tertiary colors: a color produced by mixing two secondary colors.
- Color scheme: an arrangement or combination of colors.
- Gray scale: a range of gray shades from white to black.
- Neutral: includes black, white, gray, and sometimes brown and beige. You are sometimes called “earth tones.”
- Tints: the mixture of a color with white, which increases lightness
- Shades: the mixture of a color with black, which reduces lightness.
- Tone: produced either by the mixture of a color with gray, or by both tinting and shading.

- **Op Art:** a form of abstract art that gives the illusion of movement by the precise use of pattern and color, or in which conflicting patterns emerge and overlap. Bridget Riley and Victor Vasarely are its most famous exponents.
- **Elements of art:** The building blocks of a work of art. The visual components of color, form, line, shape, space, texture, and value.
- **Principles of design:** describe the ways that artists use the elements of art in a work of art. Includes: balance, emphasis, movement, proportion, repetition, pattern, rhythm, unity, and variety.

### **IMPLEMENTATION: A Day 2/4 B Day 2/5**

#### **DAY 1: Introduction to color theory**

- **Color Theory Part I PowerPoint**
  - This is the start of a unit on painting.
  - First you will learn about the basics of color.
  - How our eyes see color: participate in the colorblind tests.
  - The color wheel: you will try your hand at color mixing by painting your own color wheel.
- **Color wheel worksheets.**
  - All the instructions you need are on the worksheet. Any questions about the directions?
  - You will only get the colors red, blue, and yellow
  - Use only a small amount of paint to start; you can always get more from the teacher.
- **The proper way to wash out a brush: (cleanup standard)**
  - Carefully rub the side of the brush in your palm with water.
  - Rinse until the water coming off the brush runs clear.
  - Put the brush back on the water cup – laying across the top
- **Place your wet worksheets on a drying rack to dry.**
- **Clean-up the last 8 minutes of class. Refer to syllabus for how everything is to be cleaned up and how the class will be dismissed. (VA.CR.2.7b Apply standards of craftsmanship with tools, materials and processes and demonstrate awareness of ethical responsibility to oneself and others)**

#### **DAY 2: Color schemes A Day 2/7 B Day 2/8**

- **Color Theory Part II PowerPoint**
  - Various color schemes: What colors do you have to mix to create the colors in the color schemes?
- **Color schemes worksheet**
  - All the instructions you need are on the worksheet. Any questions?
  - You will only get the colors red, blue, and yellow
  - Remember to use only a small amount of paint to start; you can always get more the teacher.

- If you still need to finish your color wheel - work on that first. If you finished your color wheel - add it to the “exercises” portion of your art notebook.
- Clean-up the last 8 minutes of class. Refer to syllabus for how everything is to be cleaned up and how the class will be dismissed. (**VA.CR.2.7b** Apply standards of craftsmanship with tools, materials and processes and demonstrate awareness of ethical responsibility to oneself and others)
- Remember to properly wash and put away your brushes and place your wet paintings on the drying rack.

**DAY 3: Gray scale and neutrals A Day 2/11 B Day 2/12**

- Color Theory Part III PowerPoint
  - Optical illusions: How does color play a role in them?
  - Look at artwork by Victor Vasarely: How does color plays a role in his artwork?
- Gray scale and neutrals worksheet
  - All the instructions you need are on the worksheet. Any questions?
  - You will only get the colors black, white, red, blue, and yellow
  - Remember to use only a small amount of paint to start; you can always get more the teacher.
- If you still need to finish your color wheel or color schemes worksheets - work on that first. Once finished add them to the “exercises” portion of your art notebook.
- Clean-up the last 8 minutes of class. Refer to syllabus for how everything is to be cleaned up and how the class will be dismissed. (**VA.CR.2.7b** Apply standards of craftsmanship with tools, materials and processes and demonstrate awareness of ethical responsibility to oneself and others)
- Remember to properly wash and put away your brushes and place your wet paintings on the drying rack.

**GRADING:**

- All three worksheets will be added to the art notebook and graded at the end of the semester or year.