

## HOUSING & INTERIORS EXPLORATION

Volume 37 / Middle School

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### FCCLA Connection:

STAR Events — Interior Design

### National FCS Standards for Housing and Interior Design

**11.1** Analyze career paths within the housing, interior design, and furnishings industries.

**11.1.2** Analyze career paths and opportunities for employment and entrepreneurial endeavors.

**11.2** Evaluate housing and design concepts and theories, including green design, in relation to available resources and options.

**11.2.1** Evaluate the use of elements and principles of design in housing and commercial and residential interiors.

**11.2.2** Analyze the psychological impact that the principles and elements of design have on the individual.

**11.2.3** Analyze the effects that the principles and elements of design have on aesthetics and function.

**11.2.4** Apply principles of human behavior such as ergonomics and anthropometrics to design of housing, interiors, and furnishings.

**11.7** Apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas.

**11.7.1** Select appropriate studio tools.

**11.7.6** Create floor plans using architectural drafting skills and computer aided design software.

**11.9** Develop a global view to weigh design decisions with the parameters of ecological, socioeconomic, and cultural contexts within the housing, interior design, and furnishings industries.

### Objectives:

Students will...

- Use a color wheel to select colors for color schemes
- Create color scheme illustrations of home interiors following basic color schemes — monochromatic, analogous, complementary, split complementary, naturalistic, and accented neutral
- Select a room from a provided floor plan, select furniture, furniture layouts, and color schemes
- Display selections on a display board/cardboard as an interior design consultant may develop

### Materials List:

- Paper Cups
- Food Coloring
- Water
- 3 Pitchers
- Crayola® Crayons, Box of 24 — 9700788
- Classroom Color Wheel Teaching Set — 9709508
- Pictures of Color Schemes of Home Interiors Following Basic Color Schemes (monochromatic, analogous, complementary, split complementary, naturalistic, and accented neutral)
- “Color and the Color Wheel” worksheet (included)

### Additional Optional Materials:

- Creative Color Wheel — 9730697
- Create-A-Color Wheel™ — 9706426
- *Behind the Color Wheel: Using Color in Art & Design* DVD — WA31763

**NOTE:** For coloring pages of rooms, search on the Internet as there are many options. Provide an assortment for students to select rooms for their color scheme assignments.

### Resources with Pictures Include:

[www.edupics.com/coloring-pages-the-different-rooms-of-a-house-c725.html](http://www.edupics.com/coloring-pages-the-different-rooms-of-a-house-c725.html)  
[freecoloringpages.co.uk/?q=rooms%20of%20a%20house](http://freecoloringpages.co.uk/?q=rooms%20of%20a%20house)



## DAY 1

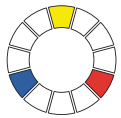
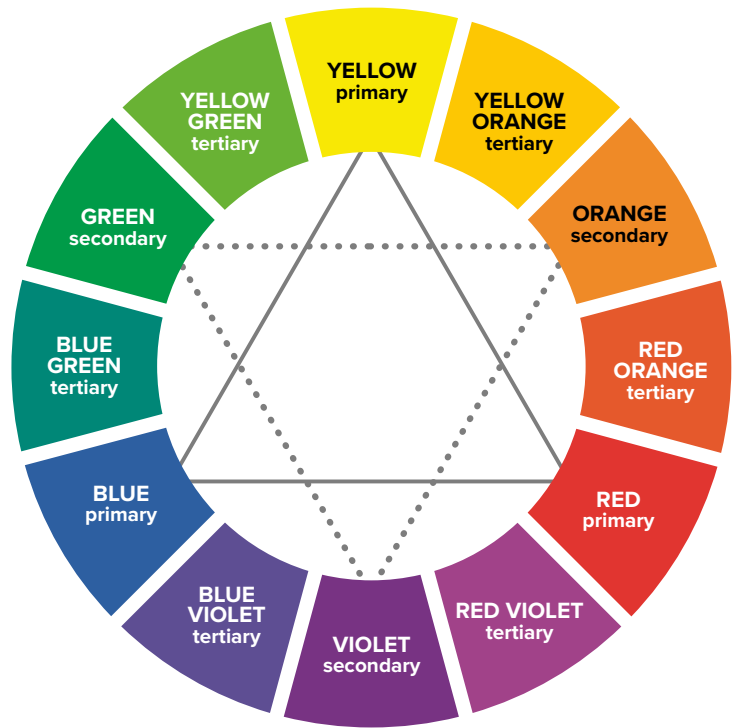
### Introduction (5-10 minutes):

Talk to students about color as a tool. Some key terms to discuss include primary, secondary, and tertiary. Students will be exploring color through the use of experimentation. Have students work in groups to mix colors of water to see what colors are developed.

### Activity (10-15 minutes):

Assign students to groups of three or four. Students will create colors using water colored with food coloring. Teacher will provide a pitcher of red, yellow, and blue water to allow students to begin the activity. Students will need nine paper cups per group. Provide each group with a paper cup of red, yellow, and blue water. Allow the students to mix water to create colors, but they need to keep track of how they create each color using the "Color and the Color Wheel" worksheet. When complete, the students will position the cups to form a color wheel following the Classroom Color Wheel (9709508).

In class, discuss how students created each of the colors. Collect all cups of water and clean up the work area.



**Primary**  
RED  
YELLOW  
BLUE



**Secondary**  
GREEN  
ORANGE  
VIOLET



**Tertiary**  
YELLOW ORANGE  
RED ORANGE  
RED VIOLET  
BLUE VIOLET

BLUE GREEN  
YELLOW GREEN

### Mini-Lecture (5 minutes per scheme, plus 15 minutes for coloring):

Talk to students about each of the color schemes, one at a time. After each explanation of a color scheme, students will color that scheme and the teacher should circulate among the students to ensure they have a clear foundation of understanding.

**Monochromatic** — light and dark hues of one color with neutrals such as black, silver, gold, and brown (such as in wood or metal furnishings)

**Analogous** — Three or four colors side-by-side on the color wheel

**Complementary** — Two colors straight across from each other on the color wheel

**Split Complementary** — a color with the two colors beside its complement

**Naturalistic** — the autumn colors of changing leaves, etc.

**Accented Neutral** — the majority of the colors are neutral and accents of just one color

As they color their rooms, students will work together at tables sharing the plates of crayons.

### Closure/Follow-Up (5-10 minutes):

Teacher gives an oral review of the color wheel; primary, secondary, and tertiary colors; and color schemes.

## DAY 2

Continuation of the color scheme lectures and coloring of pages. Have students post their color schemes around the classroom for other students to view.



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**Directions:** The teacher will provide you with colored water in paper cups, plus additional cups to do some experimentation, to come up with colors for the color wheel. Complete the following table and equations to make the correct colors. **9 points.**

The Primary Colors Are...				
_____				
<b>Primary Colors + Primary Colors = Secondary Colors</b>				
Primary Color 1	+	Primary Color 2	=	Secondary Color 3
1 Tbsp. Red	+	1 Tbsp. _____	=	2 Tbsp. Orange
1 Tbsp. Yellow	+	1 Tbsp. _____	=	2 Tbsp. Green
1 Tbsp. Red	+	1 Tbsp. _____	=	2 Tbsp. Violet
<b>Primary Colors + Secondary Colors = Tertiary Colors</b>				
Primary Color 1	+	Secondary Color 2	=	Tertiary Color 3
1 Tbsp. Red	+	1 Tbsp. Orange	=	2 Tbsp. _____
1 Tbsp. Yellow	+	1 Tbsp. Green	=	2 Tbsp. _____
1 Tbsp. Red	+	1 Tbsp. Violet	=	2 Tbsp. _____
<b>Choice Mixtures: Mix your own combinations and indicate the results below. 4 points</b>				
	+		=	
	+		=	
	+		=	

Using your crayons, create a color wheel of primary, secondary, and tertiary colors. Make the triangle with the point facing upward the primary colors, the inverted triangle the secondary colors, and the free-standing circles tertiary colors.

**12 points.**

