

3RD FLOOR: West Michigan Habitats (Kent Scientific Room)

Many poisonous, venomous, and foul tasting animals have bright colors to warn predators that they are harmful. This is called aposematism. Monarch Butterflies have bright orange and black coloring to warn predators that they are toxic and taste bad. Birds and animals that eat Monarchs will get sick. There is another butterfly that looks very similar to the Monarch. Since it looks like the foul tasting Monarch, predators think twice before eating it.

Look at the specimen case in the Kent Scientific Institute room to find the butterfly that mimics the Monarch. Which butterfly looks similar to the Monarch Butterfly?

- a. Orange Sulphur
- b. American Copper
- c. Viceroy



Did you know?

Butterfly wings are actually clear. The colors and patterns we see are made by the reflection of the tiny scales that cover the wings. They are the only insect with scaly wings. Each scale is a single color.

- 1. a. Tree Sap
- 2. Grace Episcopal Church
- 3. c. Yellow
- 4. b. Arsenic
- 5. Cochineal Insects
- 6. Amethyst Quartz
- 7. Scarlet Tanager
- 8. Wedding
- 9. c. Viceroy

ANSWER KEY:

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PUBLIC MUSEUM

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Museum Hours:
Monday Through Friday, 9-5,
Saturday & Sunday 10-5



Colorful Collection.

Discovery Hunt.



Color is all around us! Explore these artifacts around the Museum to discover the interesting role that color plays in our world.

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1ST FLOOR: F is for Fossils

Amber is a gemstone appreciated for its color and natural beauty. It was also used as a healing agent in folk medicine.

What natural element is fossilized to make this gemstone?

- a. Tree Sap
- b. Sand
- c. Petrified Wood

1ST FLOOR: G is for Glass

Stained glass is created out of glass that has been colored by adding metallic salts to glass during its manufacturing. This colorful glass is cut and arranged to create patterns held together by strips of lead. The earliest known stained glass was from 675 AD.

This colorful stained glass window was originally from which local church?



1ST FLOOR: Rudell Drugstore

Show globes were found in the windows of pharmacies. These glass jars were filled with colorful liquids and were used to distinguish the business as a drugstore. This helped people know what the building was without having to read the sign. Show globes identified a pharmacy just like barbershop poles identified a barber shop.

Look at the hanging show globe in the pharmacy window.

What color is the liquid inside?

- a. Green
- b. Red
- c. Yellow



2ND FLOOR: Fashion + Nature

This beautiful green color came into fashion in the early 1800s. It was invented by chemist Carl Wilhelm Scheele.

What did this dye contain that caused rashes and even death?

- a. Lead
- b. Arsenic
- c. Mercury

2ND FLOOR: Fashion + Nature

This Red to purple dye was used by the Aztec and Myans as early as the 2nd century. It is still used in food, medicine and cosmetics, but has been replaced with synthetic dyes for clothing.

This poncho is dyed using a reddish purple dye that is made from what?



2ND FLOOR: R is for Rocks and Minerals

This purple variety of quartz gets its violet color from iron impurities. Many people like to make jewelry out of this. It is the most valuable quartz gem.

What is the name of this variety of quartz?

- a. Amethyst Quartz
- b. Brandberg Quartz
- c. Rose Quartz



3RD FLOOR: Z is for Zoology

Looking at their different colors, it is hard to believe that these birds are the same species. Many male birds are brightly colored while the females have more dull coloring. Males use their brightly colored feathers to attract females while the female's dull feathers help her camouflage to avoid predators while nesting. This keeps her and her babies safe.

What type of birds are these?



3RD FLOOR: Newcomers: The People of This Place

Henna is a reddish dye made from the dried, powdered leaves of the henna tree. It has been used for centuries to dye skin and hair.

In India, henna is traditionally used to decorate the hands and feet of women to celebrate which rite of passage event?

- a. Birth of a child
- b. Wedding
- c. Birthday

