



Color Swap

LESSON

LEARNING & DEVELOPMENT OUTCOME

Participants will analyze how parts of a whole interact with each other to produce overall outcomes in complex systems.

MATERIALS

Coloring pages and coloring supplies
Find free coloring pages on the [Crayola website](#)

AGE ADJUSTMENTS

For an older audience, challenge participants to draw and color an image of their choosing instead of a template using the prompts below.

Lesson Plan

Introducing the Lesson

- Ask participants if a drawing will look more realistic with only using a green crayon or all the colors?
- Allow some answers to be shared with the larger group and/or have participants quickly share their answer with a partner.

Experiencing the Lesson

- Hand out coloring supplies to each participant.
 - *For larger groups, facilitators may need to split participants into small groups so participants can easily access supplies when it comes time to switch colors.*
- Have each individual choose one color to begin with.
- Let participants know they will have a total of 10-20 minutes to complete the picture, but they can only use the one color they have chosen until directed otherwise.
- Hand out a coloring page to each participant.
- Throughout the time, scatter prompts for when they can start to use another color. For example: *if you choose to give them 15 minutes total, have them switch colors at 5, 7, 8, 11, and 14 minutes.*



Can we use different prompts?

"Yes! You can choose to have participants start to use another color based on different prompts like if their birthday is in the summer or if they are wearing blue."



Closing the Lesson

- Ask participants:
 - What did you find difficult about coloring this way?
 - What do you like about your final result?

After the Lesson

- Exhibit coloring pages around the room.

Further Exploration

- Encourage participants to show their friends/families their drawing and explain the process they used to color it.



Get Creative

- Allow participants to choose colors that are assigned to the numbers
- This will allow each participants picture to be slightly different.

Online

- To facilitate this lesson online, facilitators and participants will need access to audio through their meeting platform.
- Lead the entire activity together in the main session room. Encourage participants to use the raise hand feature before speaking and to keep themselves on mute until it is their turn to share so that everyone can participate equally.

Resources

- Scenarios
 - What if it was sunny all night and dark all day?
 - What if you could fly like a bird?
 - What if you were the teacher today?
 - What if dogs could drive cars?
 - What if this room was made of chocolate?
 - What if money grew on trees?
 - What if plants could talk?
 - What if you never had to sleep?
 - What if the ocean was made of soda?
 - What if you were famous?

