

BYF Construction Club Curriculum




Session 6 - Painting

Materials:

- Paints
- Paper plate for each group
- Two paintbrushes per group
- Cups and water
- Paper towel

Objectives:

- Students will be able to describe a career as a painter
- Students will be able to neatly paint the picnic table and their concrete projects.

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| <p>Greeting Activity - 10min</p>  | <p>Slide 2 Aunt Minerva game – practice the communication life skill in preparation for the painting activity.</p> <p>The child who begins the activity decides on a category such as “hot” but does not tell anyone else. Instead, they give several examples to demonstrate the category by telling things that Aunt Minerva likes and doesn’t like. For example, if the category is “hot” they might say, “Aunt Minerva likes Florida but doesn’t like Alaska. Aunt Minerva likes heavy down quilts but doesn’t like thin sheets. Aunt Minerva likes soup but doesn’t like ice cream” The other players try to figure out the category. When they know the category, they give an example of something Aunt Minerva likes and doesn’t like. The child who began the activity acknowledges whether the guess is right or not about what aunt Minerva likes and doesn’t like. The leader keeps giving examples and listening to other’s guesses until many of the students have the category. End one round and begin another before there are only a handful of children still guessing.</p> <p>The facilitator should start this game and demonstrate.</p> |
| <p>Objective Preview - 10min</p> | <p>Slides 3-5 Life Skill:</p> <ul style="list-style-type: none"> • Communication <ul style="list-style-type: none"> ○ Effectively transfer information from one person to another to accomplish a goal ○ You are going to work together in your teams to paint the house you made last week. This will mean that you need to talk to each other about who is painting what and the |



colors you're using. You will also need to listen to the person talking so you can understand them.

- Creativity
 - Using your imagination to come up with something new
 - **As you paint your house and your car today you will have the opportunity to make your builds something original. Think about how you can use your imagination to make your painting design unique.**

Construction Skill:

- Awareness of applicable careers in construction
 - **As we paint and design patterns for our birdhouses and magnets, we are going to practice some of the skills a worker would need in a design role in construction.**
- Painting
 - **In a lot of construction, painting is what helps to make the project unique and beautiful. We're going to see that firsthand today.**
- Planning
 - **In order to create a beautiful thing, we need to plan it. This lets us make sure that all the colors and shapes match or complement each other**

Pre-Teach - 10 min






Materials/Tool Handling: (Slide 7)

- Demonstrate to students how to use a paintbrush
 - **When you are done with one color of paint, rinse your brush so that you don't accidentally mix colors you don't mean to.**
- Make a group painting plan – options include:
 - Section table into parts that groups have individual agency over?
 - Paint one whole color and everyone adds small details over the top?
- Each group will get a paper plate with their chosen paint colors on it to use. Be sure students, and specifically project managers, know the process for getting more paint when they run out.
 - **Take turns using the paints on your team plate. Be careful not to get the paint on your clothes or anyone else's clothes. This is oil-based paint and will stain.**

Safety Expectation: (Slide 8)

- Everyone "on site" wears goggles
- Everyone is responsible for their own part of the project.
 - **Project managers be sure you communicate well with your group members to get an accurate vision for your project. Remember the game we played in session 1? Use your communication skills today!**

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| <p>Focus Activity - 1hour</p>  | <p>Slide 9</p> <p>Students now paint the table according to the group plan.</p> <ul style="list-style-type: none"> • Each group will receive a paper plate on which to keep their paints. • Every student receives a paintbrush. • The project manager chooses and retrieves the paint colors. • Students work together in their group to accomplish the group and project manager’s vision. <p>When the group is done painting allow students to paint their concrete molds made in session 1. At this point they should be dry and ready to pop out of their molds.</p> |
| <p>Job Exploration - 20min</p>  | <p>Slides 10-16</p> <p>Did you have fun with that?</p> <p>Today we worked a lot on the artistic design of construction. These next few jobs help make construction projects unique and beautiful.</p> <ul style="list-style-type: none"> • Painting <ul style="list-style-type: none"> ○ You can build a career as a painter just like we’re going to do today. • Scaffolding <ul style="list-style-type: none"> ○ Sometimes when you need to paint a hard-to-reach spot you need a scaffolder to help build the structure to get you up that high. <ul style="list-style-type: none"> ▪ Tower crane operator ▪ Mobile crane operator • Interior Design <ul style="list-style-type: none"> ○ An interior designer is the person that specializes in what styles of color and shapes fit together in a room. They will help choose furniture and flooring and wall colors to make the interior of a space beautiful. <p>Now, let’s hear from a real industry professional who can tell us about their career in residential construction!</p> <ul style="list-style-type: none"> ○ Introduce a community partner if applicable. ○ If no community partner can attend introduce the video. • Show slide with general salary information on it. • Open the floor for students to ask their own questions of the industry professional. <ul style="list-style-type: none"> ○ Note: If no industry professional is available ask students what their questions would be and make a list. Send this list to your Coordinator and they will try to get those questions answered. |

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| | <p>Day in the life of a painter: https://youtu.be/hpgWtMaYVC4</p> <p>Pressure Washing: https://youtu.be/8MZeagw0gWc?t=203</p> <ul style="list-style-type: none"> • When you paint the outside of a house you need to prepare it first, just like we had to sand our birdhouses. <p>From a self-employed entrepreneur: https://youtu.be/aHrPHK_y6iA</p> <ul style="list-style-type: none"> • This video talks a lot about the pros and cons and finances of starting your own painting business. <p>Questions for industry professionals:</p> <ul style="list-style-type: none"> • What soft skill are important in your job? • What does your “office” look like? Work Environment? • What education did you need to get this job? • What is your favorite part of your job? • What is some good advice to someone who wants to go into your field? |
| <p>Wrap-Up - 10 min</p>  | <p>Slide 17</p> <p>Have students complete this form to wrap up the club. https://forms.gle/BGqBPsXaZeCVS275A</p> <p><i>Note: This form is longer than former weeks as it reflects on all of the sessions.</i></p> |