

BYF Career Exploration Activity



Materials:

- Computer for each student
- Project manager game set
 - Or paper and colored drawing utensil
- Any industry professionals to present
- As many simulations as possible

Objectives:

- Students will be able to identify a variety of careers in construction.
- Students will research different construction careers that they find interesting.
- Students will be able to articulate which construction careers are best suited to them and why.

Potential Prep:

- Make sure all students have a computer login and access to some kind of presentation materials.

Curriculum Notes:

- Words in **Bold** are scripted for the teacher.
- Any *italics* are special notes or modifications to the lesson for the instructor's discretion.
- This is a project-based lesson. It will likely take the students more than one class period to complete their projects.




Greeting Activity - 10min



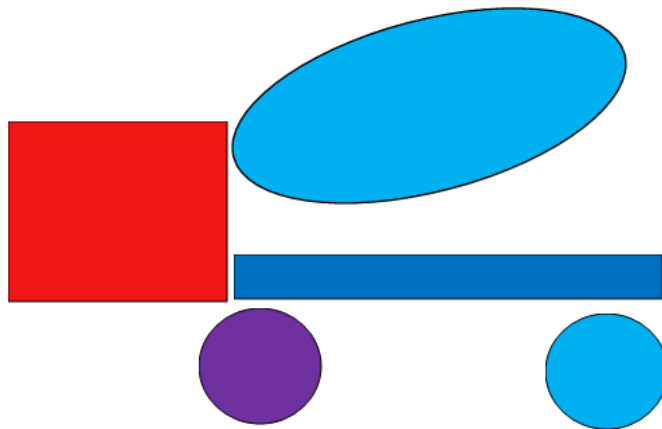
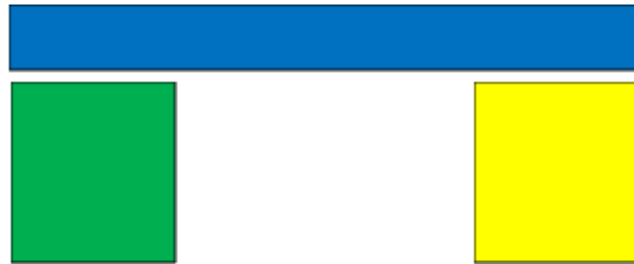
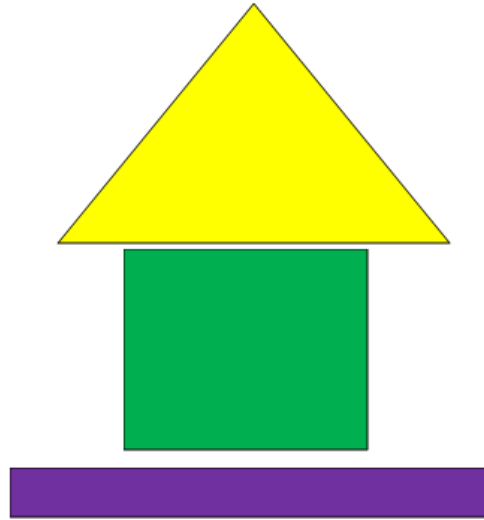
Categories Game - Getting to know each other:

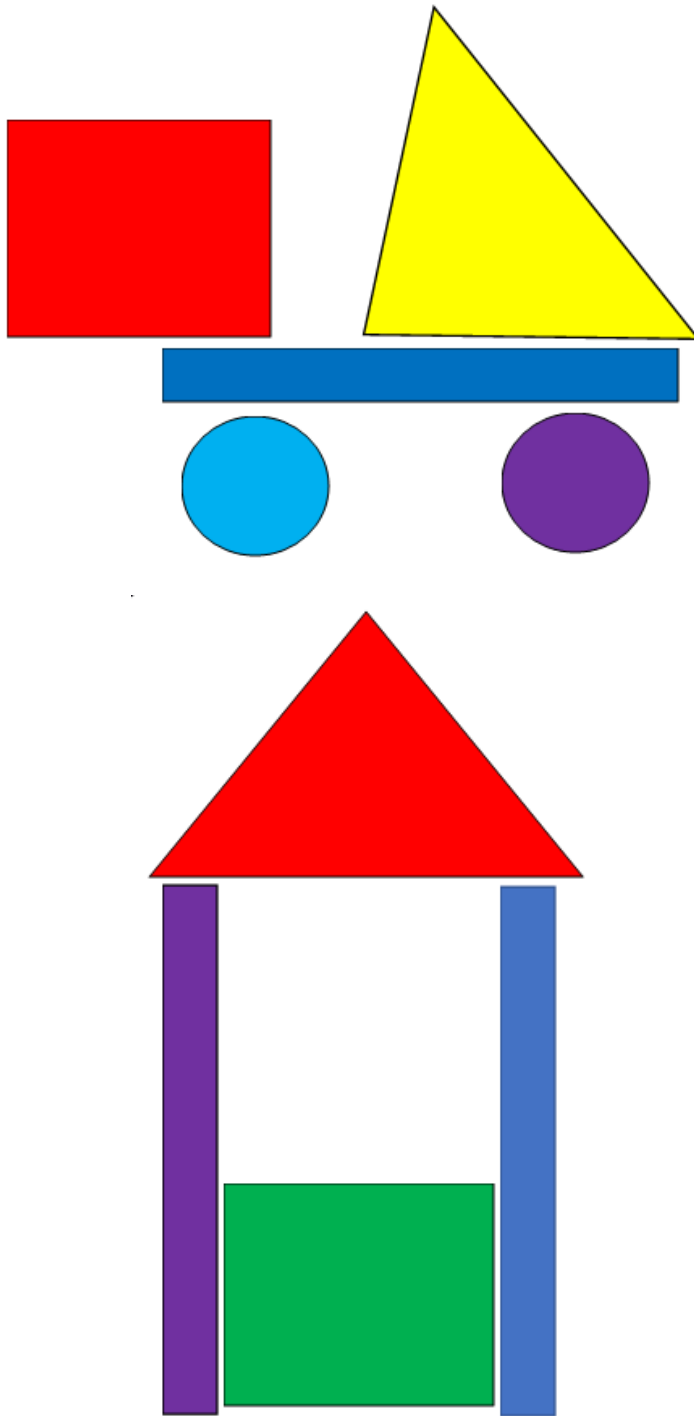
- Divide students into teams of six. (Slide 2)
- Round 1:
 - Tell the teams: **Put yourself in alphabetical order of your first name. But you cannot talk to each other! The first team done wins!**
 - At the end of the round give the groups time to know each other's names.
- Round 2:
 - Tell the teams: **Put yourself in alphabetical order according to your last name. Again, no talking and the first team done wins!**
 - At the end of the round give the groups time to know each other's names.
- Round 3:
 - Tell the teams: **Put yourself in order according to your birth date. Again, no talking and the first team done wins!**

At the end of all three rounds, gather students into a circle and ask them to recite their names so that the other teams can learn them as well. Then have students take their seats.

<p>Objective Preview - 5min</p> 	<p>Working in construction can mean a lot of different things. Today we're going to start a project that will help us understand how many different careers there are in construction.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Students will be able to identify a variety of careers in construction. • Students will research different construction careers that they find interesting. • Students will be able to articulate which construction careers are best suited to them and why. <p>Tell students that these are the objectives. Ask if there are any questions associated with them.</p>
<p>Pre-Teach - 10 min</p> 	<p>Start a group discussion with students:</p> <ul style="list-style-type: none"> • How many of you know what you want to be when you grow up? • Have any of you thought about construction? <ul style="list-style-type: none"> ○ Why or why not? • Does anyone know what a millwright does? • What about a glazier? • Construction project manager? • Thumbs up or down: Do lawyers work in construction? <ul style="list-style-type: none"> ○ Artists? <p>After this discussion, frame the career exploration activity:</p> <ul style="list-style-type: none"> • Construction is full of lots of different jobs. From reading and writing heavy attorney jobs to physical labor jobs like carpentry or masonry, or artistic design jobs, or even business development. There is something here for everyone. And it pays higher than most industries too! This week we are exploring all different kinds of careers in construction as we build and take field trips. As you explore this week we are also going to take some time to connect what your doing to real opportunities for you.
<p>Project Building Blocks - 45 minutes</p> 	<p>Let's start by getting an idea of what the different roles are just on a job site.</p> <p><i>If you find yourself without the game pieces for students, this game can be played with paper and colored drawing utensils. Simply show project managers the design as normal. As they describe it their group members will simply draw the picture rather than arranging shapes.</i></p> <p>Project Manager Game (15 minutes)</p> <ul style="list-style-type: none"> ○ We are going to play three rounds of this game so that everyone gets a chance to practice being the project manager. Choose now who gets to go first, second, and third. ○ Game instructions: <ul style="list-style-type: none"> ▪ The project manager goes to get the vision from the club facilitator. They get to see the arrangement of colored shapes.


- The project manager then returns to the group and must communicate that vision to their group without touching the materials. The group must build that arrangement of colored shapes, based on their project manager's communication.






- *Note: If you need more time at the end, have students again take turns being project manager and create their own vision to communicate to their group.*

Take the career test on BYF Indiana (Slide 14) (5 min)

	<p>https://indiana.byf.org/</p> <ul style="list-style-type: none"> • Navigate to Menu, then Career Quiz • <i>Note: At the end, students can skip putting in their contact information to see the results</i> • Results Discussion (5 minutes) <ul style="list-style-type: none"> ○ Put students in groups of two ○ Ask students to discuss these questions in their group: <ul style="list-style-type: none"> ▪ Share your results with your group. <ul style="list-style-type: none"> • What was your highest and lowest match? • Do you fit mostly in plan it, build it, or finish it? ▪ Do any of you have jobs in common? ▪ Were you surprised by any of your results? Why or why not? ▪ Which job result are you most excited about? Why? ○ Bring the discussion back to the whole class and ask groups to share out (Slide 16) <ul style="list-style-type: none"> ▪ What were your three most exciting jobs? ▪ Why were they exciting? ▪ Did anyone not know what their jobs were? ▪ What were some of the attributes that paired you with that job?
<p>Job Exploration - 2 hours</p> <p>We suggest breaking this time up between class periods and with industry professional visits.</p> 	<p>My Career In Construction Project</p> <p>Students will create a presentation around their top three construction job options. This can be done on posterboard with markers or on google slides/PowerPoint as your students have access.</p> <p>Present students with this list of questions they must answer about each of their three chosen jobs:</p> <ul style="list-style-type: none"> • What does this job do daily? • Have you seen this job in action? <ul style="list-style-type: none"> ○ What kind of construction site do they work on?/What is their office? <ul style="list-style-type: none"> ▪ Desk, road construction, home builds, commercial construction, driving materials around, etc. • What part of the construction process does this job support? <ul style="list-style-type: none"> ○ Planning, building, or finishing? • What education do you need to do this job well? <ul style="list-style-type: none"> ○ In high school? ○ Beyond high school? ○ Where can you get that education? • How much can it pay? <ul style="list-style-type: none"> ○ Is there a pay scale? • What growth/career advancement opportunities does this job have? • What might be hard about this job? • Why do you like the idea of this career? <ul style="list-style-type: none"> ○ Why do you think it would be a good fit for you personally?

	<p>Have students work on this project and circulate to help them as needed. Feel free to take breaks to meet with industry professionals or play with any simulators that might help inform their research.</p> <p>Questions for industry professionals:</p> <ul style="list-style-type: none">• What soft skills 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 - 30 min - 45min</p> 	<p>When all students have completed their projects, have a few of them share out to the group. Hearing other people’s choices may inspire other inquiries in students.</p> <p>Close career exploration time with a review discussion using these questions:</p> <ul style="list-style-type: none">• What was your favorite part of the camp?<ul style="list-style-type: none">○ Why?• What do you think you’ll remember about this experience in six months?• Do you have any next steps from this experience?<ul style="list-style-type: none">○ Schools you’ll start to look at? Graduation pathway you want to choose?