

Be An Architect 6-8

By: Connie Riblet-Hill

Lesson

Architecture is the science & design of buildings & other structures such as homes, malls, stadiums, & large outdoor areas. An Architect is the person who designs & draws the plans, called blueprints, for the buildings. They study different kinds of materials to use, areas that are the best to build in & what will make a functional building as well as having it look nice too. There is a lot to plan for before you build. Just a few of the things an Architect needs to know are the zoning laws for the area, if the building will be handicap accessible, & if the materials are strong enough & right for the area it is being built in. You probably don't want to build an igloo next to the Ocean in Florida, but that's just the kind of stuff they study! Most of the boxes we use every day from our kitchen, like cereal boxes, are made of chipboard. Chipboard & cardboard are very similar in that they are both made from the paper pulp we get from trees. Cardboard is made from three layers of heavy paper, two flat with a wavy one in the middle. Chipboard is made by gluing fragments & layers of recycled paper together & then the heat & pressure makes it smooth & rigid. Both are also recyclable. Did you know the average American uses seven trees a year in paper, wood, & other products made from trees? Let's be Architects & build our own little house or even a whole neighborhood with boxes & other empty recyclable items we find around the house!



Questions for Students

What is an Architect?

If you could build the perfect building, what would it look like?

If you could build the perfect neighborhood, what would it have in it?

Why is it important to plan ahead before you build?

What do you think the best material to build a real house with is?

Do you think it matters whether or not you build two houses with the same materials if one is in the desert and one is near the Ocean?

**Please us the Other Resources Page
before you start the art project**



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Other Learning Resources

Books To Read About Architecture

Maybe Something Beautiful: How Art Transformed a Neighborhood
by F. Isabel Campoy & Teresa Howell

The Story of Buildings: From the Pyramids to the Sydney Opera House and Beyond
by Patrick Dillion & Stephen Bietsy

Cool Architecture: Filled with Fantastic Facts for Kids of all Ages
by Simon Armstrong

Videos About Boxes

How packaging is made: <https://www.youtube.com/watch?v=zoSGvhV3EmU>

The story of a cereal box:

<https://www.youtube.com/watch?v=teKhkBnTDBc>

<https://www.youtube.com/watch?v=cL2p-nLTYe8>

Videos About Architecture

Video about Architecture:

<https://www.youtube.com/watch?v=gnnUId8Hof0>

<https://www.youtube.com/watch?v=DkJLbCCl6Zs>

Check out this whole city a class made!

<https://www.youtube.com/watch?v=dQADPWSdqrs>

More Facts & History About Architecture

<https://youngarchitect.com/>

<https://kids.kiddle.co/Architecture>



Materials

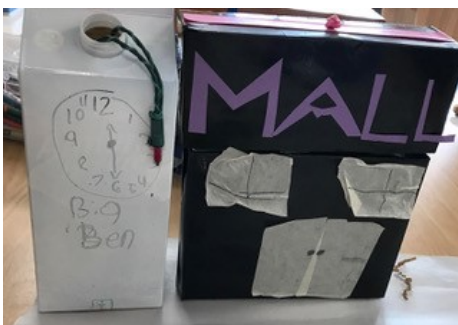
- * Empty Boxes
- Liquid Glue or Hot Glue, Tape, Scissors
- Constriction Paper
- Toilet/Paper Towel Tubes
- Makers/Paint/Crayons/Pencils
- Junk: Scraps of paper, Pipe Cleaners, Plastic Caps, Broken Toys, Yarn (Adults Help Gather Stuff)



Instructions



1. After you have gathered all of your supplies, think about what it is you'd like to make & draw a blueprint of what you want your buildings to look like.
2. Start putting your boxes together to make the shapes of building you want. You can use multiple boxes to create a large building or just use each box to create it's own building & make a whole neighborhood!
3. Use tape or glue to put the materials together & get the structure of your building before you decorate it. **Have an adult help you with hot glue if you need additional support on a big structure.**
4. Now you can paint your building or just use the colors of the box if you like & just add construction paper or use markers to add your own designs to it.
5. Use other scraps of stuff you find to add the finishing touches to your building or neighborhood.
6. You can also make signs for your building, letting everyone know what they are.
7. Can you make streets, houses, trees, even people?
8. You are now an Architect!
9. Optional: Have friends or family members make their own buildings to add & create your own neighborhood or city/town together! Be creative & have fun!



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