

Architects in Schools  
**Summer Camp**

# DAY 1

Monday, July 11

*What Makes  
a Sustainable  
Place to Live?*

**afo**

architecture foundation of oregon

**Greetings Architects!** We are so glad that we get to spend the week with you and talk about what sustainable means in architecture and how you can use design to protect the natural environment!

If you have any questions about the camp at any point during the week, feel free to email Kim ([kim@af-oregon.org](mailto:kim@af-oregon.org)) or Candice ([candice@af-oregon.org](mailto:candice@af-oregon.org)) with your parent or guardian's permission.

During the week, you will complete activities in your very own **Architect Journal**. Print it out, put your name on it and fill it out each day as we work through the activities. Be sure to work through the days consecutively as each day builds on what you learned the day before!

Okay – Are you ready for some designing fun? Let's get started!

### Day 1 Materials List

*Keep these materials nearby as you work through today's lesson*

- Your Architect Journal
- A few sheets of paper
- Pencil and eraser
- Colored pencils, markers or crayons (something to color with)
- Magazines, newspapers or print outs that you have permission to cut images out of
- Glue or glue stick
- Scissors
- A flat surface to work on

LIVE Activity Materials

- More of the materials listed above

Join us for our  
**LIVE Activity**  
today at  
**12:30pm PT!**  
**CLICK HERE**  
**TO JOIN**

## Warm Up

**Sustainability** is the idea that humans must work with and care for the natural environment to make sure that future generations can also enjoy Earth and all the wonderful resources it provides us with.

**Sustainable/Green Buildings** are buildings that are designed to be environmentally responsible and healthy places to live, work, learn and play.

What do you think are some ways that designing sustainably can help us? If you didn't get a chance to look at these links about how sustainable practices can help us, feel free to take a look at them now.



### Building Green

Read now:

[www.timeforkids.com/g34/building-green-2](http://www.timeforkids.com/g34/building-green-2)



### Sustainable Development Facts for Kids

Read now:

[kids.kiddle.co/Sustainable\\_development](http://kids.kiddle.co/Sustainable_development)



### Sustainability for Kids Video

Watch now:

[www.youtube.com/watch?v=5ACfP-VA-EE8](http://www.youtube.com/watch?v=5ACfP-VA-EE8)



### 10 Eco-Friendly Building Materials Video

Watch now:

[www.youtube.com/watch?v=bsQBSV-JoV04](http://www.youtube.com/watch?v=bsQBSV-JoV04)

As you continue to make your way through camp this week, keep these Kid's Rights in mind. These are the rights that everyone in your community should be able to live by. When designers make choices with sustainability in mind, they can help make sure that everyone can live by these rights. You can do the same!

### ***Declaration of Kid's Rights***

These are rights that you have as a person in this world and as a citizen of your community. An important thing to understand about these rights is that everyone around you has them too. We all need to respect each other and work to make sure everyone's rights are upheld so we can have a loving and healthy community.

*You have the right to be seen, heard, and respected as a citizen of your community*

*You have the right to a community that is peaceful*

*You have the right to justice and to be treated equally*

*You have the right to be protected from harm, injustice, racism and hatred*

*You have the right to have access to healthy food*

*You have the right to your opinions and feelings, even if others don't agree with them*

*You have the right to live, learn and play in a safe and healthy space*

*You have the right to have access to an education and to information that prepares you to make good decisions for your community*

## Day 1 Vocabulary

On most days this week, we'll send you definitions of words that are fun to learn. They will help you think about some of the sustainable design concepts we'll be exploring and will be important words for you to know as you watch each day's videos. There will also be a Vocabulary Mix & Match to do on page 11 of your **Architect Journal** if you would like to.

Today's words to remember are:

**Architecture** is the art or practice of designing structures and spaces.

**Architects** are the people who design structures, buildings and spaces. They go to school to get a special license that shows they know how to design safe spaces and structures in our communities.

**Building Rehabilitation** is when buildings are kept and reused by using the original walls and/or other existing parts as an alternative to demolishing the building and starting over.

Before rehabilitation



image credit: Walsh Construction

After rehabilitation

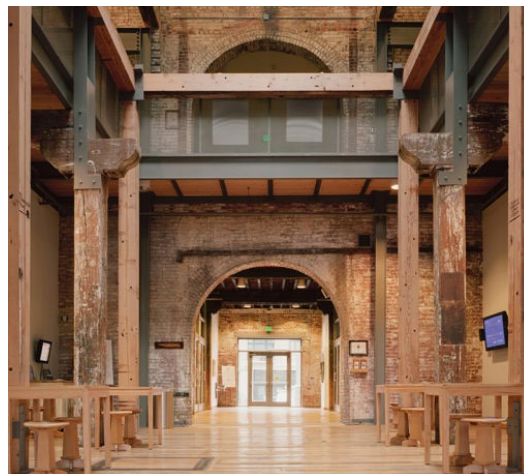


image credit: Holst Architecture

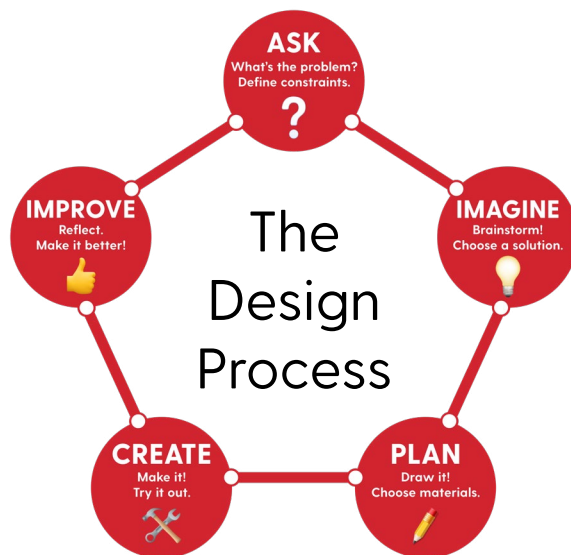
**Built Environment** refers to any spaces designed and built by humans including structures such as houses, commercial/business buildings, parks, bridges, and more. Basically anything designed and built by humans where people live, learn, work and play.

## Day 1 Vocabulary

**Climate Change** describes a change in average weather conditions (such as temperature and rainfall) in a region over a long period of time.

**Contractor** is a person or company who determines the cost to build a structure and how to build a structure that is often also worked on by an architect or engineer.

**Design Process** is the steps involved in designing something. First you identify the purpose (what's the problem to solve?), next you imagine the solution, make a plan and try it out, and then improve your plan to make it better.



You'll learn a lot more about the design process throughout this camp!

**Engineer** is a person who designs the systems in structures. Examples of different types of engineers are civil engineers (who design roads and bridges), structural engineers (who design how structures, like tall buildings, will stand up under their own weight and against other forces like wind, snow and earthquakes), and a mechanical engineer (who designs the infrastructure of machines).

**Environmentally Preferable** refers to products or services that don't affect human health and the natural environment as much as other products or services that serve the same purpose.

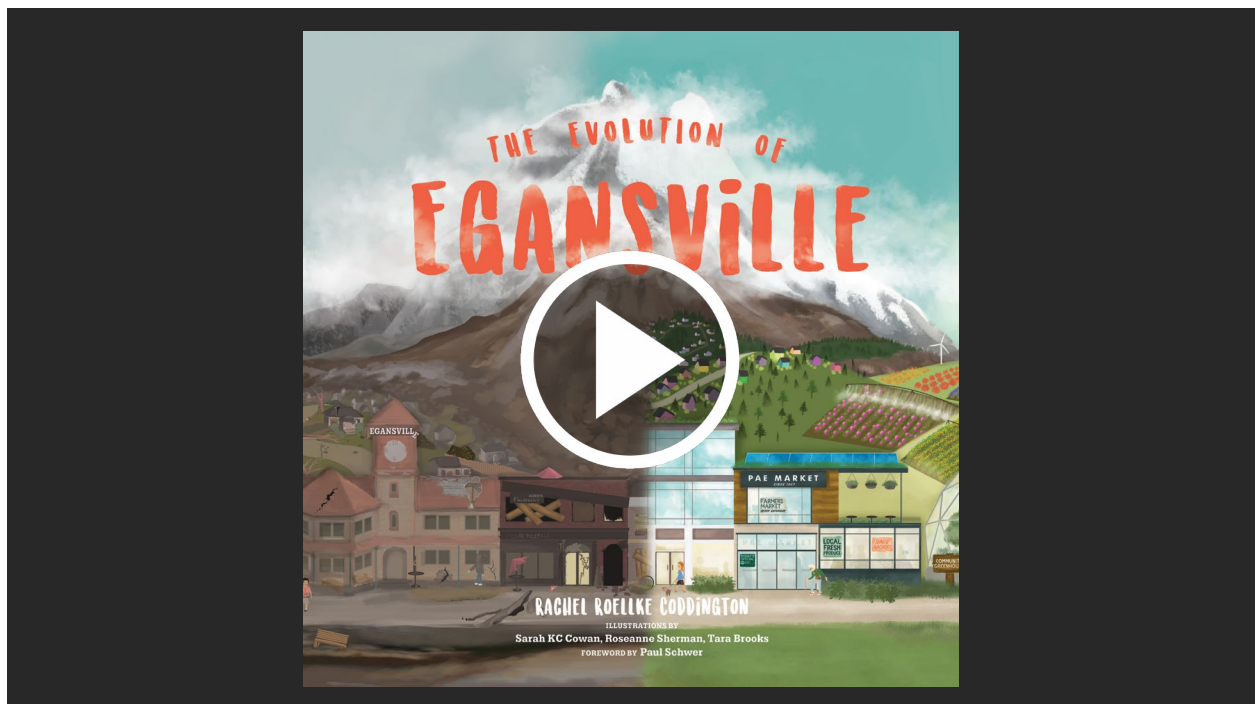


### Today's Read Aloud Video

Every day this week, we'll send you a couple videos to watch that will cover ideas to think about and activities to do during that day of camp. If you need to pause the videos at any point, take a break, and come back to finish, that is totally fine. You can watch and learn at your own pace.

Let's start with exploring a really great book called **The Evolution of Egansville**. Our engineer friend Jeremy will read through the book with you this week and introduce you to a group of friends who worked together to make their town a more sustainable and healthier place to live.

Want to get ahead and read the entire book on your own? View the eBook here! <https://bit.ly/egansville>



### Day 1 Read Aloud: The Beginning and the End

Watch now:

<https://youtu.be/FaPIIzb5nZc>

Continue scrolling  
for another video!



### Today's Camp Video

In addition to meeting Jeremy, you'll also get to spend time with our friends Sina, Crystal, Josh, Craig and Alison this week. They are all architects, engineers and designers. They will introduce you to some cool things to think about as we work through the camp content.

Today you'll get to meet Sina and learn more about architecture and sustainable/green design.

Keep your **Architect Journal** and a pencil nearby as you watch this video. You'll need them!



#### Day 1 Video: Architecture and Sustainable Design

Watch now:

<https://youtu.be/oqkWbePybOo>



## Day 1 Activity: Collage to Community

Now that you've watched the video for today, go to page 4 of your **Architect Journal** and answer the Day 1 Takeaway Questions.

In today's video, Sina mentioned a Collage to Community Think Sheet. Before our LIVE session today, try to get through at least part of this sheet on page 6 in your **Architect Journal**. We'll use this to begin creating our collages during the LIVE Activity!

## What is a collage?

A collage is a way of making pictures by sticking pieces of colored paper and cut out images onto paper. You can cut out pictures from magazines or newspapers (with permission) or draw some images that make you think about a healthy place to live.

Explore more about collages, here:  
<https://kids.kiddle.co/Collage>



Artist: Em Brennan, My Right Eye Art

After you are done with the activity, go to the Vocabulary Mix & Match on page 11 of your **Architect Journal**. See if you can remember the definitions of some of the vocabulary words you learned today. Match the definitions to the word you think they go with!

## Join Today's LIVE Activity!

Make sure you login to our LIVE camp activity today at 12:30pm PT. Together we will create collages of a healthy community!

**CLICK**  
**HERE**  
**TO JOIN**

### ★ Bonus Challenge: Solar S'mores

Did you have so much fun today that you want to do more designing? This challenge comes with a yummy snack! Follow the Day 1 Bonus Challenge steps on page 12 and 13 in your **Architect Journal** to get started.

Materials needed:

- Your Architect Journal
- S'mores ingredients: graham crackers, marshmallows & chocolate
- Recycled pizza box (or another shallow cardboard box)
- Black construction paper
- Aluminum foil
- Glue stick and tape
- Plastic wrap or clear compostable wrap
- Something to cut a flap in the top of the box (with an adult's help)
- Stick to prop open the flap
- Optional: thermometer

## Share Your Work With Us!

Don't forget to take pictures and videos of the things you design, draw and build throughout this camp. We would love to see what you create! Plus, when you submit images of your work, you'll have the chance to be featured on our [shared camp board!](#)

Ask a parent or guardian to help you submit your work using this form:  
[bit.ly/SummerCamp2022Shareyourwork](https://bit.ly/SummerCamp2022Shareyourwork)

See other  
people's work  
on our shared  
camp board!  
[TAKE ME  
THERE!](#)