

Architects in Schools
Summer Camp

DAY 1

Monday, July 26

*Who Designs
and Builds
Buildings and
Spaces?*

afo

architecture foundation of oregon

Greetings Architects! We are thrilled that you are spending the week with us to learn about the design process and how your ideas can make the world and the spaces we live in better for everyone!

If you have any questions about the camp at any point during the week, feel free to email Kim (kim@af-oregon.org) or Candice (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)
- A flat surface to work on

LIVE Activity Materials

- More of the materials listed above
- Paper (all types and colors!)
- Scissors
- Glue or tape
- Paper grocery bag or shopping bag

Join us for our
LIVE activity
today at
12:30pm PST!
CLICK HERE
TO JOIN

Warm Up

Architecture is the art or practice of designing structures and spaces, and **architects** are the people who design those structures, buildings and spaces. They go to school to get a special license that shows they know how to design spaces and structures in our communities.

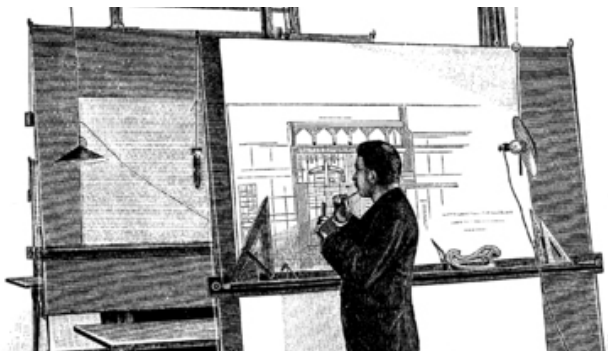
If you didn't get a chance to view the information links about architects and the many different people it takes to design and build the spaces we all use, go ahead and take a look at them now.



What Does an Architect Do?

Read now:

wonderopolis.org/wonder/what-does-an-architect-do



How to Become an Architect

Read now:

easyscienceforkids.com/architect/



How are Buildings Built?

Read now:

wonderopolis.org/wonder/how-are-buildings-built

As you continue making your way through this camp, keep these Kid's Rights in mind. These are the rights that the people in your community should be able to live by. Your designs can help make sure that everyone can live by these rights!

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 and also will help you think about some of the design concepts we'll be exploring. These are important words for you to know as you watch each day's video. There will also be a Vocabulary Mix & Match to do on page 8 of your **Architect Journal** if you would like to.

Today's words to remember are:

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.

Client is the person or organization that hires architects, engineers and contractors to design and build spaces.

Contractor is a person or company who furnishes building materials and builds 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.



Empathy is the ability to understand the feelings and needs of another person.

Day 1 Vocabulary

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).

Interior Architect is a person who is licensed to design the inside of a building including how people move around the building and what it looks like.

Landscape Architect is a person who is licensed to plan, design and arrange any part of an outdoor space like a park, a yard, or a public outdoor space for reasons that are practical and aesthetic. “Aesthetic” refers to how something looks.

Urban Planner is a person who develops plans and designs for the use of space within cities, towns and developments. It is their job to work with the community and make sure that land is being developed in a way that will most benefit all members of the community.

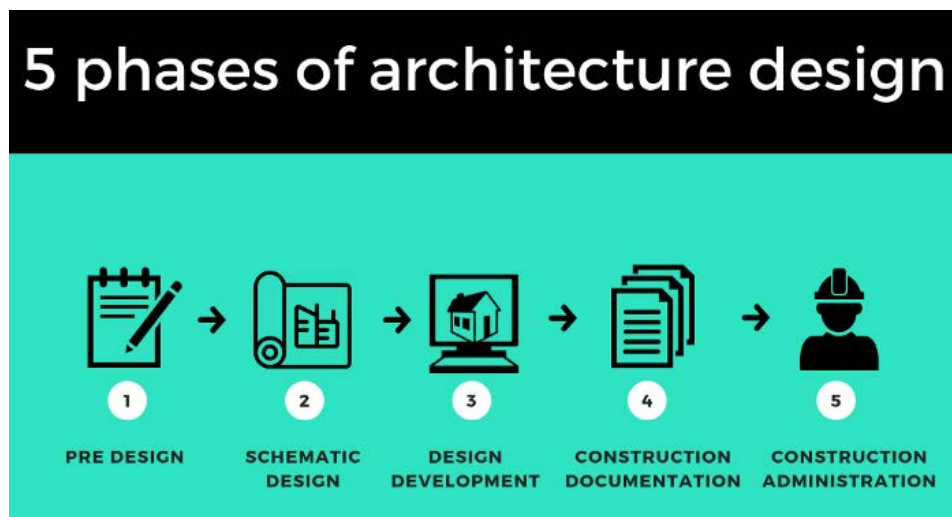


image source: Amanda Silver, medium.com

Today's Video

We'll send a video for you to watch every 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.

This week, you get to spend time with our friends Sina, Crystal, Johann and Alison. They are all architects or designers, and they'll introduce you to the other friends they work with to make sure the places we live, learn and play in are fun, safe and accessible for everyone! When a space is **accessible**, it is easily entered and used by everyone.

In today's video, Sina will share what she does in her job as an architect. She will explain the design process that she uses every day, and she will introduce you to the people who helped design and build the Oregon Zoo Education Center and insect exhibit.



Day 1 Video: Who Designs and Builds Buildings and Spaces?

Watch now:

<https://youtu.be/Fo6a4MNqq4k>

Remember the **design process** that Sina talked about? It is something that you will use throughout this camp and in your daily life. We all make decisions that use the design process!

Day 1 Activity: How Do I Feel About this Environment?

Now that you've watched the video for today, go to page 4 of your **Architect Journal** and answer the Day 1 Takeaway Questions. Next, follow the directions for the activity on page 5 of your journal. This activity will help you think about how you feel in the space you are in. It will also challenge you to consider how others, like a monkey or a polar bear or a bat might feel in the same space.



After you are done with the activity, go to the Vocabulary Mix & Match on page 8 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 PST. We have a super fun mask building challenge for you!

[CLICK
HERE
TO JOIN](#)

★ Bonus Challenge: What Makes Structures Stand Up?

Are you having so much fun with design today that you'd like to do some more? Click the link below to watch a video and then follow the Day 1 Bonus Challenge steps on page 9 in your **Architect Journal**. What shape is the strongest? Why do you think that is?

Watch the video: <https://youtu.be/kveHeVt-s9k>

Materials needed:

- Your Architect Journal
- A few sheets of construction paper or thick paper
- Tape
- Scissors
- Something heavy and solid like a book

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/ais21-shareyourwork

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