

Architects in Schools  
**Spring Break Camp**

# DAY 1

*What is  
Architecture  
& What Do  
Architects Do?*

**afo**

architecture foundation of oregon

**Greetings Architects!** We are thrilled that you are spending the week with us to learn about design, your community and how your ideas can make the world a better place. By the end of the week, you will have designed and built your own future city! Feel free to spend as little or as long as you want on each activity.

If you have any questions about 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**. We recommend you print out your journal if you haven't already. Put your name on it and fill it out each day as you 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 or pen
- Tape
- A flat surface to work on

If you choose to do today's **Bonus Challenge**, you will need:

- 55 or more toothpicks
- 25 or more marshmallows or gummy bears

### Warm Up

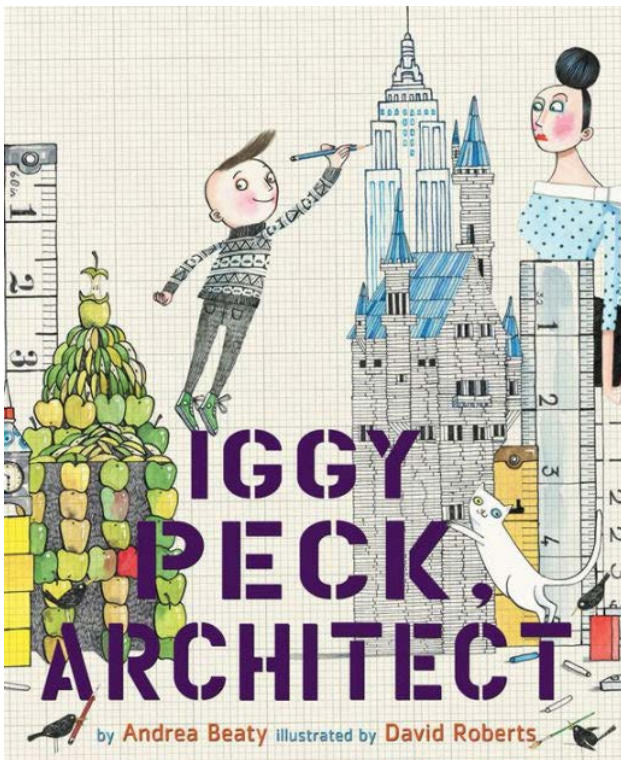
You have the option to start out the camp by watching one of the following videos: “I Want To Be an Architect!” or the read aloud of the book “Iggy Peck Architect.” They will definitely get you thinking about things that will help you this week - and they’re kind of fun too!



### **I Want To Be an Architect!**

Watch now:

[www.youtube.com/watch?v=zviewCudtFZs](http://www.youtube.com/watch?v=zviewCudtFZs)



### **Iggy Peck Architect**

Watch now:

[www.youtube.com/watch?v=18B8WMJdTCQ](http://www.youtube.com/watch?v=18B8WMJdTCQ)

### **What is Architecture & What Do Architects Do?**

---

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

**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.

This week, you get to spend time with our friend Alison the architect. And you get to think like an architect too!

### **Day 1 Vocabulary**

---

On most days this week, we'll send you definitions of words that are fun to learn and will also help you think about some of the design concepts we'll be exploring. These are important words for you to know as you watch today's video with Alison the architect. There will also be a vocabulary mix & match to do in your **Architect Journal** if you'd like to.

Today's words to remember are:

**Awareness** is to be watchful, conscious of surroundings, and informed.

**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.

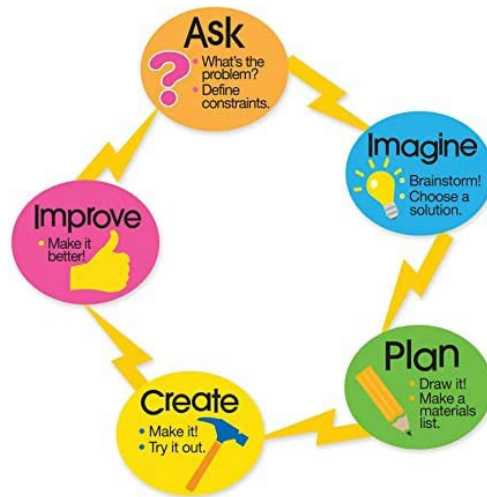


image source: systweak.com

## Day 1 Vocabulary

**Contractor** is a person or company who furnishes building materials and builds a structure that often is 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.



**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 of the members the community.

### Today's Video with Alison

We'll send you a video to watch each day this week featuring our architect friend, Alison. 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.

In today's video, Alison will talk about what she does in her job as an architect. She'll explain how to work through the design process that she uses everyday and introduce you to a fun activity.



#### **Day 1 Video: What is Architecture & What Do Architects Do?**

Watch now:

<https://youtu.be/anepEgZEiel>

Remember the **design process** that Alison talked about? It is something that you will use during camp this week and in other parts of your life as well! Examples of design are all around us, and we make decisions everyday using the design process.



### Day 1 Activity: What Do You See Through Your Telescope?

Now that you've heard from Alison today, go to page 4 of your **Architect Journal** and follow the directions to make your own telescope. All of the examples Alison notices through her telescope are things that have been designed by people like architects and engineers.

After completing the activity and sketching the details you notice through your telescope, show someone at home what you noticed! Be sure to answer the observation questions on page 4 in your **Architect Journal**.



### Day 1 Vocabulary Mix & Match

Go to page 6 of your **Architect Journal**. Go ahead and see if you can remember the definitions of some of the vocabulary words. Match the definitions to the word you think they go with!

### ★ Bonus Challenge: Build a Geodesic Dome

Are you having so much fun with design today that you'd like to do some more? Complete the Day 1 Bonus Challenge and build your own geodesic dome! What shape do you see repeated in your dome that helps it stand up? Why do you think they are so strong and sturdy? Tomorrow we'll talk more about it!

Take me to the challenge: [bit.ly/day1bonus2021](https://bit.ly/day1bonus2021)

Materials needed for the Bonus Challenge:

- 55 or more toothpicks
- 25 or more marshmallows or gummy bears

## Share Your Work With Us!

Don't forget to take pictures and videos of the things you design, draw and build. We would love to see what you create!

Ask a parent or guardian to help you submit your work using this form: [bit.ly/aiscamp2021-submissions](https://bit.ly/aiscamp2021-submissions)

Or post pictures of your work to social media, tag the Architecture Foundation of Oregon and use the hashtag [#architectsinschools](#)



**Instagram**  
[@architecture\\_or](#)



**Facebook**  
[@aforegon](#)