



Virtual Learning

# The Architectural Design Process

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Civil Engineering and Architecture  
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Lesson: April 20, 2020

**Objective/Learning Target:**

Students will learn about the architectural design process



# Bell Ringer:

In 3 minutes, brainstorm as many different tasks that you can think of that would be involved in the design and construction of an architectural structure.



# Bell Ringer:

The tasks that you listed might have included things like finding out what the client needs or wants in their building, what style of architecture the client enjoys, what is the intended use of the building, or how much does the client want to spend? These are things that would be included in the programming phase of the project. Then there is conceptual design followed by construction documents and then calculating construction costs and the bidding phase. The last phase would be the actual construction of the project. Typically, the architect would manage the construction to make sure that the building will be what the architect designed and what the client is expecting.



# Let's get started:

There are many different iterations of the design process but most use the same basic steps. They may call them by different names or group tasks differently, but they all accomplish the same thing. Those basic steps are:

- Programming
- Conceptual Design
- Construction Documents
- Bidding/Costing
- Construction Administration

Check out this website outlining the architectural process used by Russell + Dawson:

<https://www.rdaep.com/5-stages-architectural-design/>



# Practice:

Your task is to create a graphic document (11x17) outlining the architectural design process. You may utilize the process outlined by R+D from the previous slide or create your own, but the basic building blocks need to be there. Be sure to include:

- ❑ At least five different steps in your design process
- ❑ Specific tasks that would be completed during each step in the process and who would be included in those tasks
- ❑ Pictures and graphics, lots of pictures and graphics

You may choose whatever format is most convenient for you to complete the exercise but the final product should be in pdf format. Please don't forget to cite any sources that you use in the creation of your poster.



# Additional Resources:

On the architectural design process:

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

<https://www.youtube.com/watch?v=ly8orBNiNQM>