



---

# Explore Architecture



**Kansas City**



# What is Architecture

**The art or practice of designing and constructing buildings.**



# An Architect Is...

**Someone who is specifically trained and licensed to work on the planning and design of buildings.**



# SKILLS NEEDED

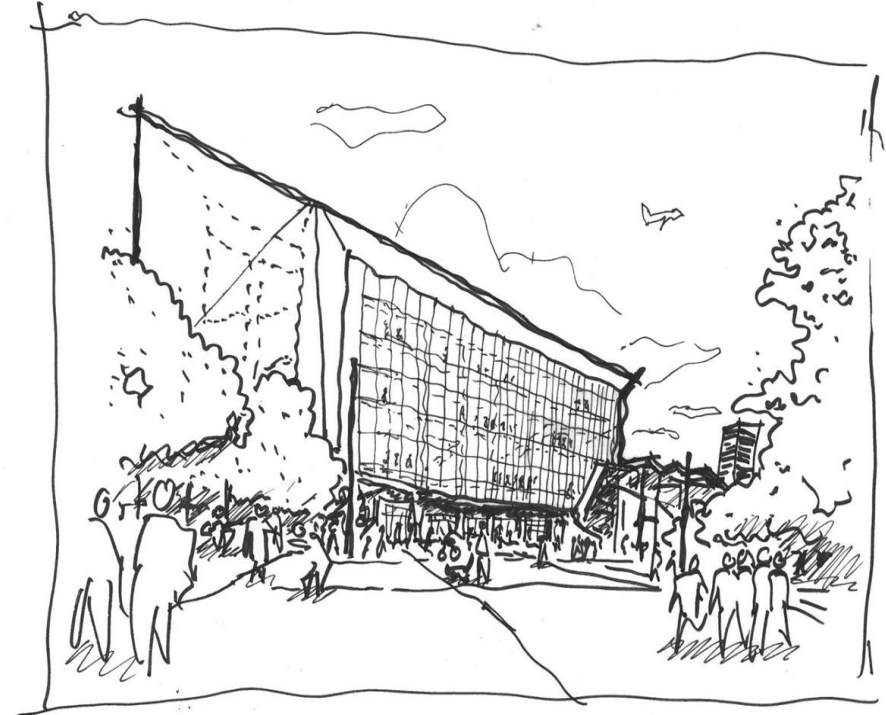
**Design Thinking**

**STEAM**

**Sketching /  
Drawing**

**Organization**

**Communication -  
Verbal and Visua**

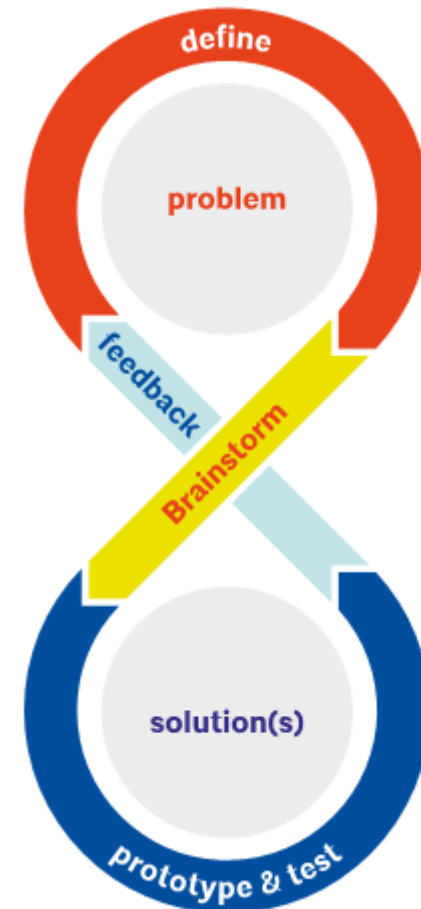


# DESIGN THINKING

## Process:

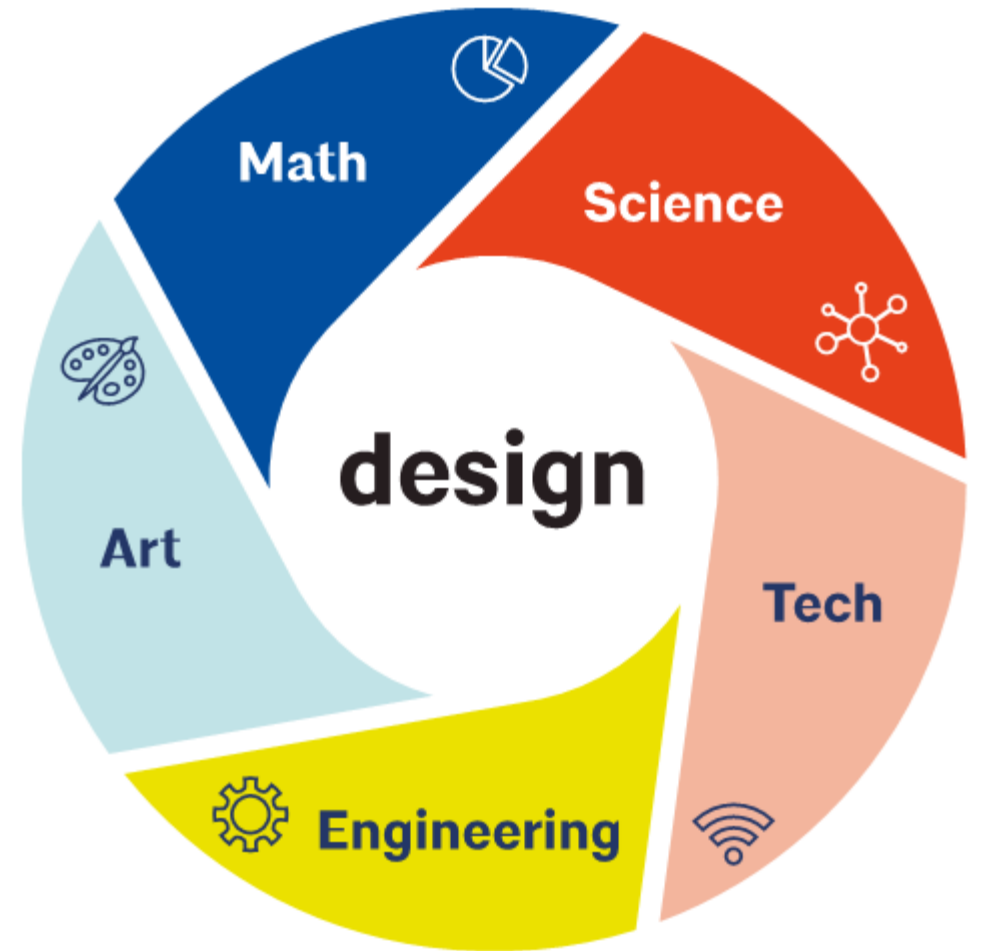
1. Identify Problem
2. Constraints Established
3. Brainstorm and discussion
4. Feedback
5. Refinement and testing
6. Solution Discovered

Design is never a linear process, it is an endless pursuit of research, analysis, and exploration.



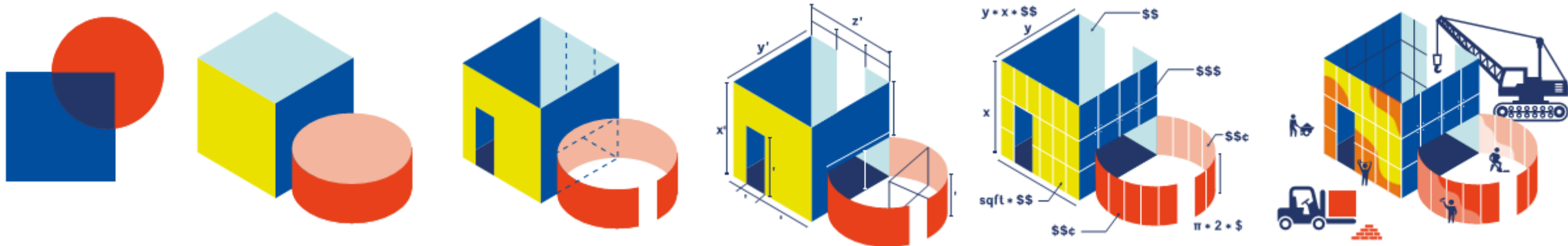
# STEAM

Design is the creative side of STEAM which is very technically focused.





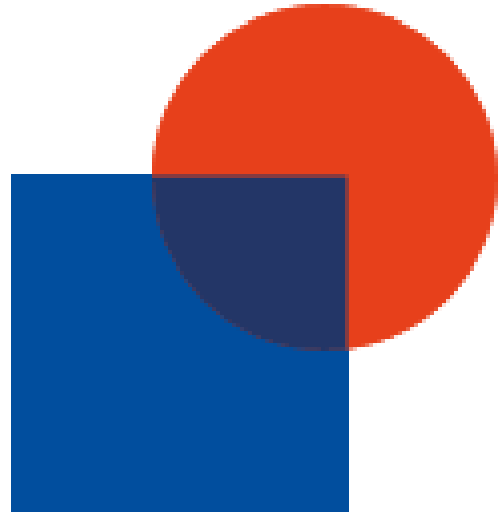
# STAGES OF DESIGN



A building begins with an idea or a problem which the architect works to design a solution for. It starts with an idea, develops through iterations, detailed in construction plans and results in a building after construction.



# PROGRAMMING



---

Research • Gather Info • Summarize

---

## **CONCEPT & IDEAS**

---

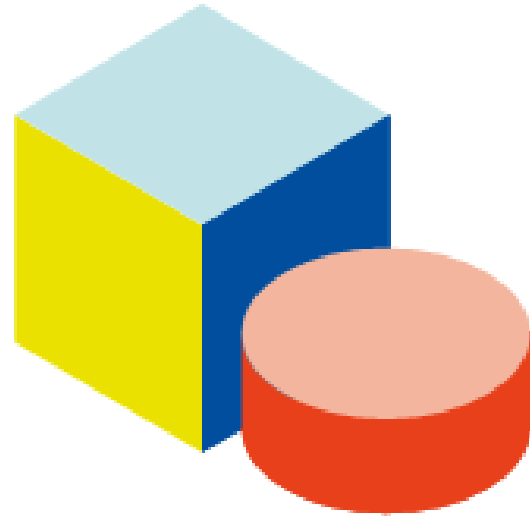
The programming or the pre-design phase, is about problem-seeking. During this phase, the scope is determined for the work to be designed.







# SCHEMATIC DESIGN



---

Form • Function • Choices

---

## SPATIAL PLANNING

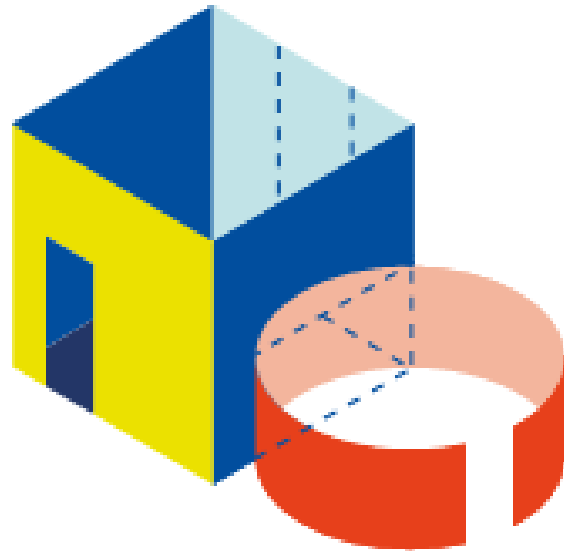
---

During the schematic design phase, the basic form of the building starts to take shape.





# DESIGN DEVELOPMENT



---

Develop • Guide • Enhance

---

## **DECIDING ON THE DETAILS**

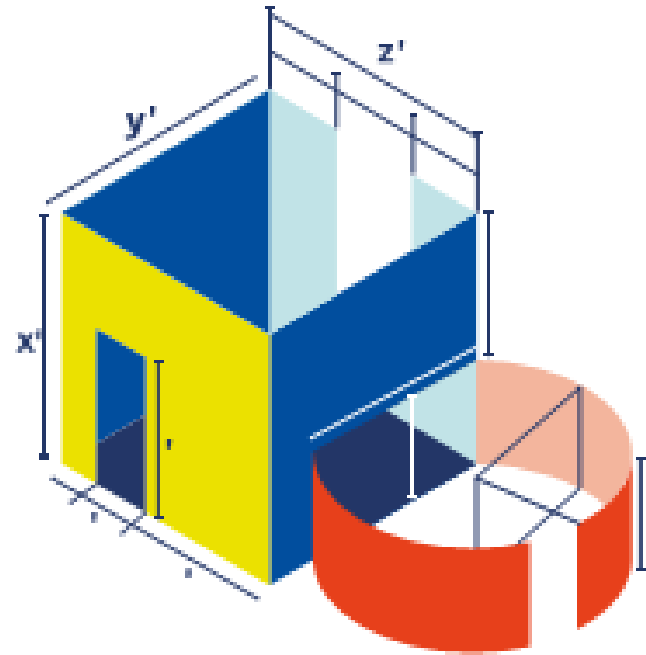
---

The design development phase builds on the basic idea from schematic design and begins to refine and enhance the project.





# CONSTRUCTION DOCUMENTS



---

Details • Refine • Collaborate

---

## **DETAILING TO BUILD**

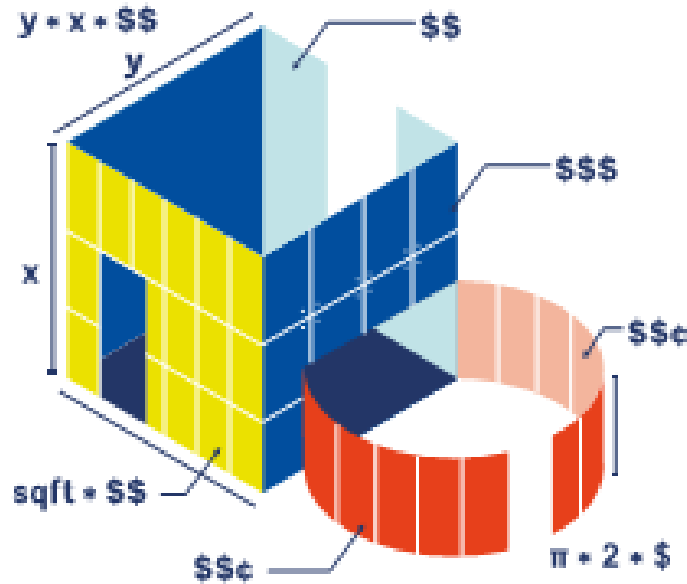
---

This phase is about preparing detailed drawings of the project and coordinating with multiple team members. These drawings will be used to build the project on-site.





# BIDDING



---

Cost • Estimates • Dollars & Cents

---

## PAYING FOR IT

---

This phase breaks the project into pieces that can be estimated and a cost can be applied to the project. This cost can range depending on the market at the time.





# CONSTRUCTION ADMINISTRATION



---

Review • Observe • Build

---

## **OBSERVING CONSTRUCTION**

---

This is where the project goes from a drawing to a real building. The architect ensures the built project matches the design drawings.



# DAY IN THE LIFE

Design buildings and spaces

Present ideas to clients

Collaborate with consultants

Oversee construction



***As an Architect, you will literally shape the way the designed world evolves.***

# PATH TO BECOMING AN ARCHITECT

## 01 Education

Finish School



## 02 Experience

Architectural Experience Program (AXP)



## 03 Exams

Pass all 6



# WHAT CAN YOU DO NOW?

## Be Curious!

Keep learning and asking questions.



STEAM  
EDUCATION



## Visit an Architect.

Tour buildings with them.



## Explore.

Check out your city!





# Closing



Are you interested in learning more?

**PLEASE CONTACT:**

**AIA Kansas City**  
**education@aiakc.org**  
**816.221.3485**

**NOMA Kansas City**  
**secretary.nomakc@gmail.com**

