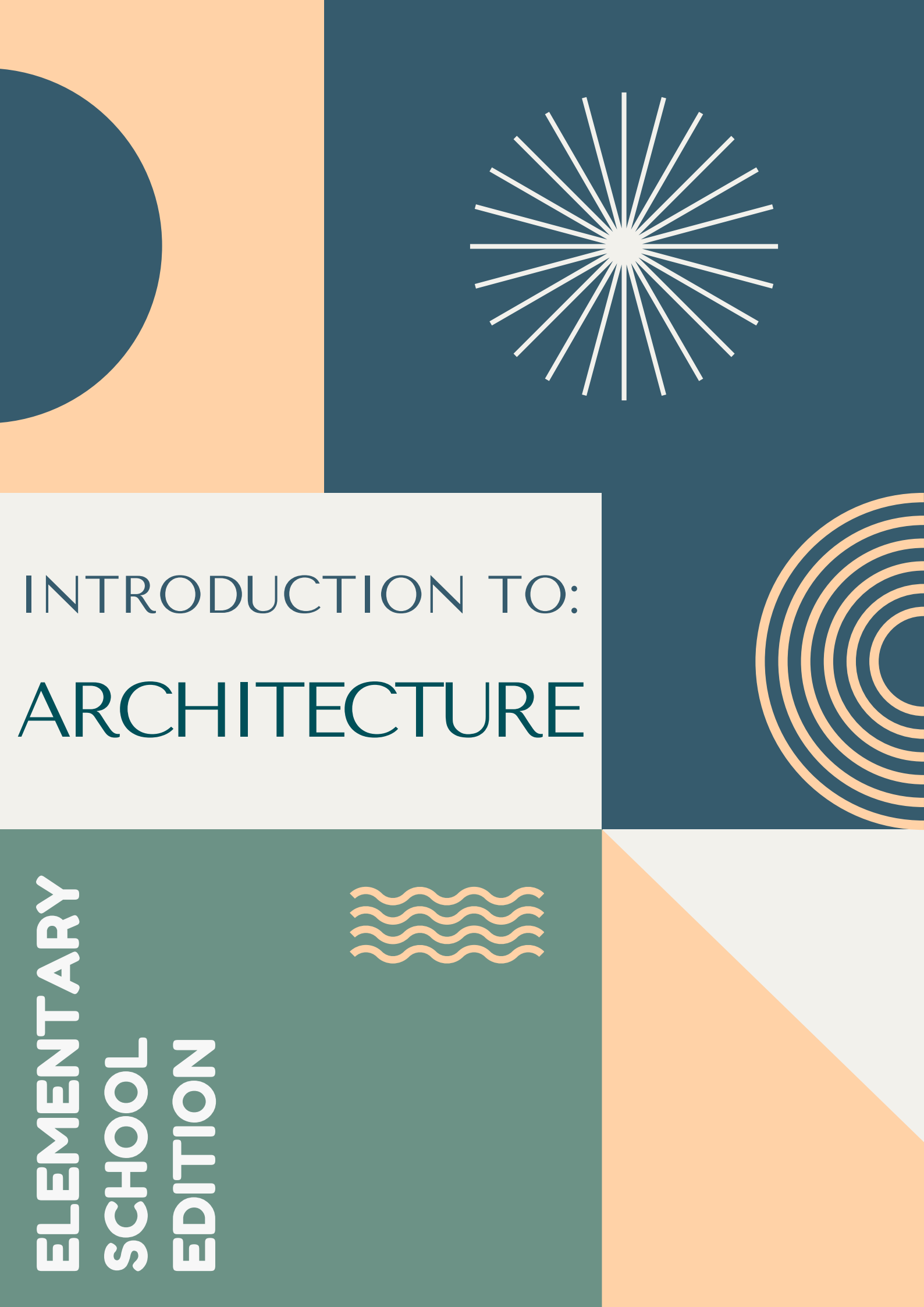




INTRODUCTION TO: ARCHITECTURE

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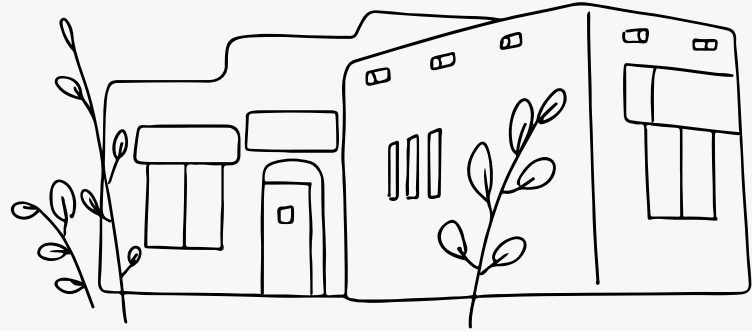
For Parents



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INTRO

to architecture



Background:

Architects combine art and science to design and create buildings that are functional yet pleasing to the eye!

Purpose:

The goal of an architect is to improve local communities. Many architects are responsible for building homes for families, factories and offices for workers, and schools for students.

3 Steps to Architecture:

- **#1:** The first step is to get a degree in architecture from college.
- **#2:** Next, architects-in-training need to be supervised on a project by a licensed architect for 3,740 hours.
- **#3:** The final step is taking a 6 hour exam testing your learned skills!

ARCHITECT TEST!



Do you have these personality traits?

- ☐ Creative
- ☐ Problem solving
- ☐ Flexible
- ☐ Passionate
- ☐ Curious

If so, you should think about being an architect!

Do you play any of these fun games at home?

Minecraft Roblox
Jenga Legos
Fort Building

**If so, you
would be an
awesome
architect!**

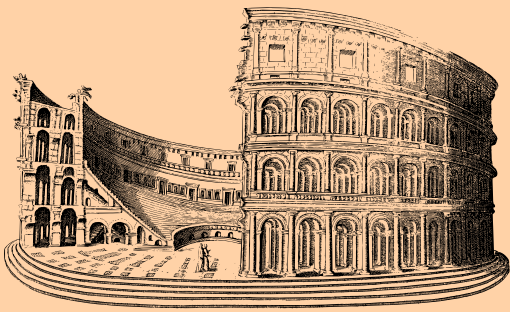


GAMES



Identify these famous buildings





WORD BANK

Eiffel Tower

Big Ben

The Colosseum

ARCHITECTURE

word search

A	O	W	W	C	E	T	N	I	A	P	L	E	N	R
O	T	H	M	R	W	I	N	D	O	W	O	D	L	M
E	L	N	T	W	L	S	O	L	H	O	W	O	L	A
W	N	P	O	D	N	O	M	O	O	R	D	E	B	C
A	Y	D	I	C	O	H	L	L	O	S	C	E	W	D
L	L	I	L	E	A	T	C	C	R	M	H	P	U	O
H	O	H	A	L	O	O	N	W	N	N	T	E	C	O
R	F	N	N	R	C	I	H	A	L	L	W	A	Y	Y
I	I	L	W	O	O	D	D	L	O	E	P	C	A	H
L	R	E	R	O	N	E	C	L	W	O	S	A	R	O
R	O	O	L	F	C	W	Y	T	C	B	O	A	C	U
C	F	I	N	D	R	R	L	P	W	D	L	W	H	S
E	W	O	D	P	E	W	A	M	N	D	T	I	L	E
R	D	P	L	O	T	I	O	B	E	E	S	D	O	R
W	C	R	D	R	E	A	O	O	O	M	R	S	L	F

house
window
paint

floor
tile
arch

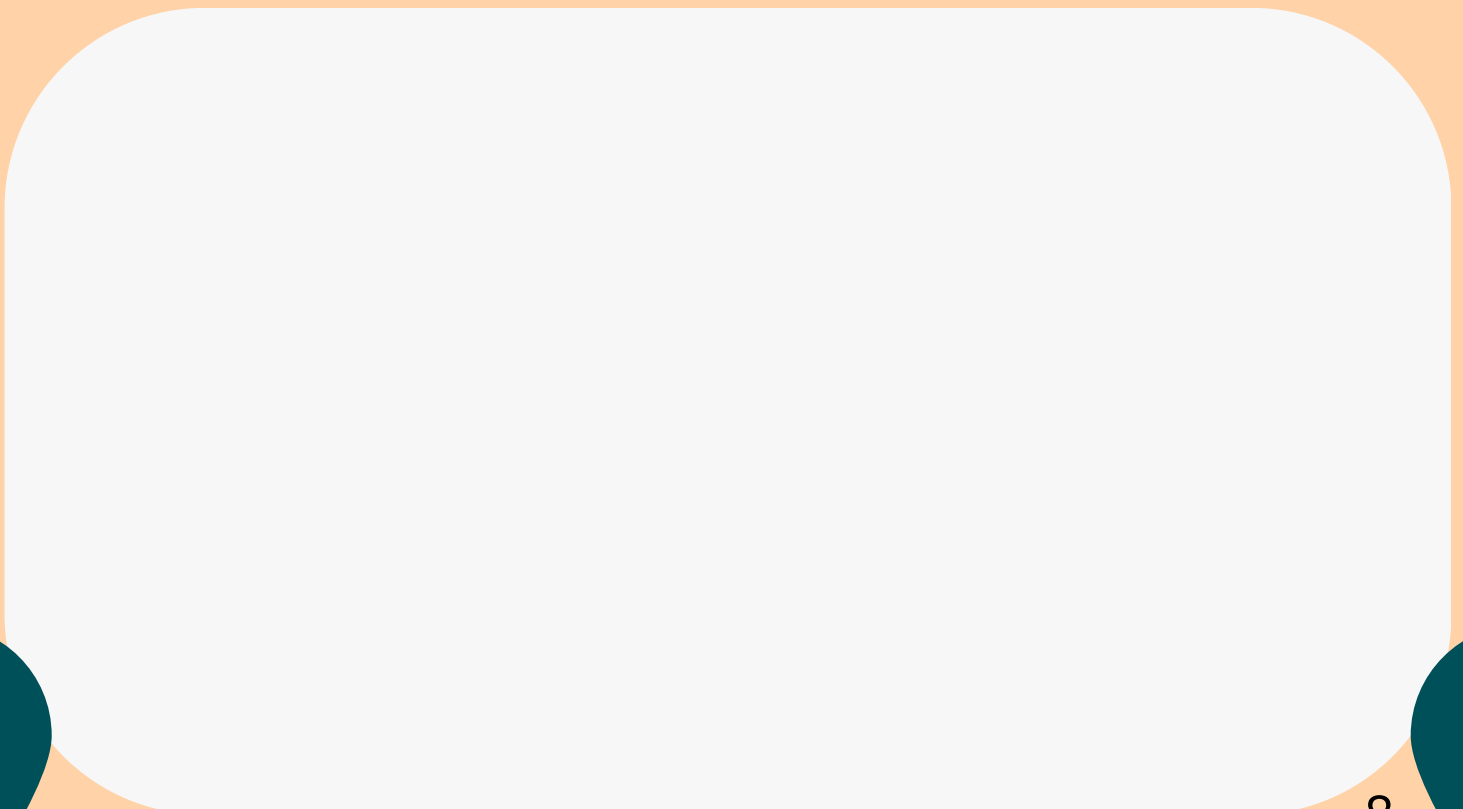
wall
wood
hallway

roof
concrete
bedroom

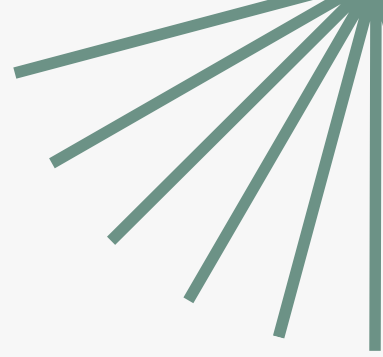
Fill in the Blank: If I was an Architect, I would design a...

Because...

Challenge Time: Now draw out your design!

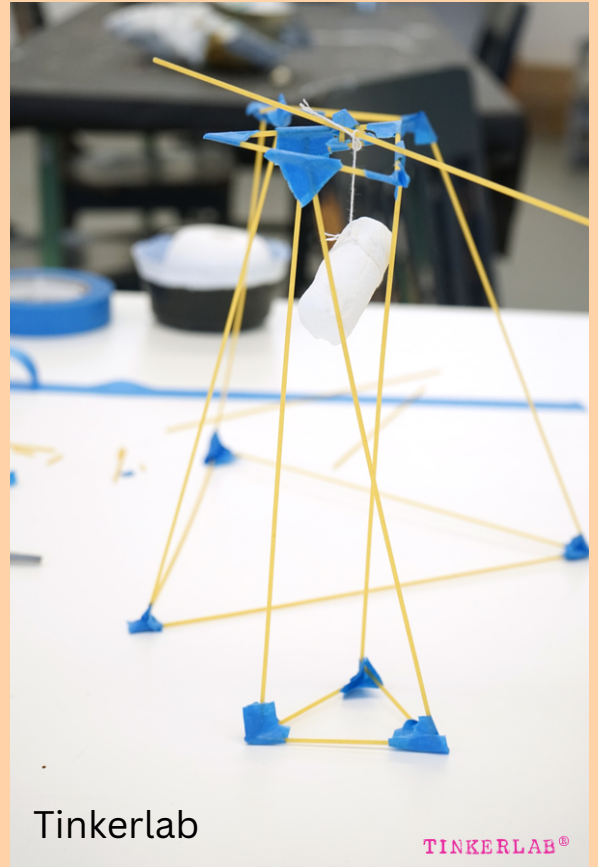


AT HOME ACTIVITIES



Spaghetti and Marshmallow Tower

This STEM challenges your thinking abilities under a time crunch! In 20 minutes or less, students need to design a tower made of spaghetti that can hold the weight of a marshmallow! The materials needed for this are 20 spaghetti sticks, 1 yard of masking tape, and 1 yard of string.



Parents!!!

**For more information
check out:**

<https://tinkerlab.com/spaghetti-tower-marshmallow-challenge/>

Pom Pom Fairy Houses

Materials Needed:

- 1 toilet paper roll
- 1 cone cup
- 1 pair of scissors
- Colored markers
- 1 piece of paper
- 1 Pom Pom
- 2 googly eyes
- Stick of glue



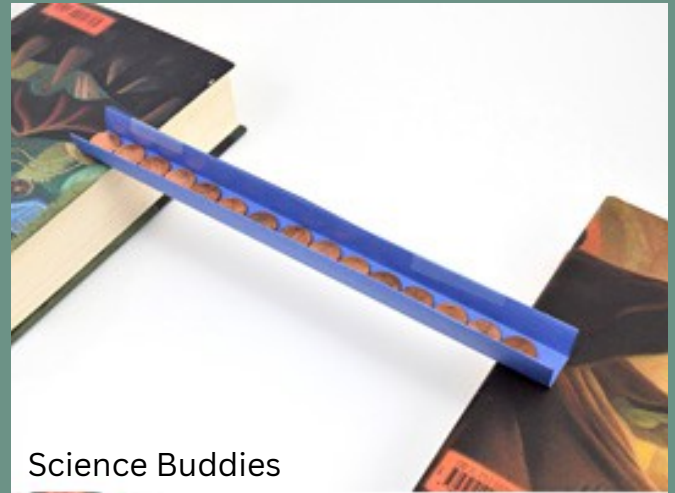
Directions: Create your pom pom character by gluing two googly eyes to one pom pom. To decorate your house, take a toilet paper roll and color the outside. Next color one paper cone cup to act as your roof. For more details you can cut out a doorway in the bottom of the roll. To make windows you can cut out circle or squares from a piece of paper, but they can also be drawn on. Finally, assemble it all together by taping the roof to the top of the roll!

Build A Bridge



Materials Needed:

- 2 books of even height
- A strip of paper
- A pile of pennies or any coins



Directions: Challenge you and your friends to see whose bridge can hold the most pennies. Take two books and arrange them about 6 inches away from each other. Next, fold a strip of paper however you please, and lay them across the books. Once finished, continually add more pennies until the bridge can no longer support the weight. Keep track of how many pennies each bridge holds, and the one with the most wins!

FOR PARENTS

What to do now...

Elementary School:

- **Games:** Any sort of building game such as Legos or Jenga are great to gain experience.
- **Sketch Books:** Check out [Architecture for Kids](#) by Mark Moreno on Amazon!
- **YouTube:**
 - Crash Course Kids: Architecture Adventure
 - PBS Kids: City Island Architect



Middle School:

- **Classes** involving math and art are a great way to get exposed:
 - Many Middle Schools offer classes like Geometry, Algebra, Drawing, and 3D Modeling
 - For more a more hands-on experience your child can take online Architecture Classes [OutSchool.Com](#)
- **Software Programs:** Practice design skills with software like Sketch Up or Tinkercad
- **Sketch Books:** Check out [Architecture for Teens](#) by Danielle Willkens on Amazon.



