

Sofia's Pyramid™

Build with Me

Project
Based
Learning
(PBL)

The Pyramid That Taught Me to Fly



Build → Record → Share!

“Your pyramid doesn’t have to be perfect. It just has to be yours.”

STANDARDS-ALIGNED LESSON
CCSS.Math.Content.6.G.A.1 · NGSS MS-ETS1-2

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*Sofia is a composite, representative character.

In this lesson, you will explore how history, math, and culture connect through pyramid design. Learn about the Maya, uncover patterns in Chichén Itzá, and apply what you learned by building your own pyramid.



Learning Objectives

- Learn who Sofia is and why her story matters
- Identify how math, culture, and design connect
- Understand why the Maya built pyramids
- Recognize patterns in pyramid structure
- Build and explain your own pyramid

Step 1 Meet Sofia



¡Hola, I'm Sofia. I'm 10 years old and live in the mountains of Oaxaca, Mexico. One day, I learned about the Maya pyramid of Chichén Itzá, and it changed everything.

I thought if people long ago could build something so meaningful and incredible then maybe I could too. I went down to the river near my home and built a pyramid out of clay. Building my pyramid made me feel strong and happy, like I could "fly."

When I shared my story, something magical happened. Kids all over the world started building pyramids, telling their own stories and sharing them.

Step 2 Discover The Math

The Maya were experts in math and the stars. They built pyramids with meaning and structure. At the Maya Pyramid Chichén Itzá:

91 steps on each side
x 4 sides = 364
+ 1 top platform = 365



This matches the number of days in a year. Twice a year, sunlight creates a shadow in the shape of the feathered serpent Kukulcán on the pyramid steps.



Step 3 Build A Pyramid

This is where you can really use your imagination.

Create your own pyramid using any materials including mud, paper, cardboard, recyclables, LEGO, sugar-cubes, or anything you have available.

Your pyramid should:

- Have a wide base and smaller top
- Include 3-9 layers
- Have steps on at least one side
- Include something special on top.



You can build, draw, or design your pyramid digitally.

Step 4 Record & Share Your Story

Tell your 30-second story:

Write or record your story.
Just say this (or a version of it)

"Hi, I'm _____

I built my pyramid using _____

I put _____ on top because _____

Now I feel like I can fly."

That's how Sofia learned that when you build something with your hands, tell your story, and share it, you help others believe in theirs.

Reflection & Completion

Review what you learned and complete your project.

Use this page to review what you learned, think through your work, and complete your project.

Reflection

Use what you learned in this lesson to answer each question.

What materials did you use to build your pyramid?

What makes your pyramid unique?

What did you learn?

Completion

When you finish your pyramid and share your work, you can submit it to receive a Certificate of Completion. This is a great way to keep a record of what you've accomplished.

Have your teacher, parent, or guardian share your video, picture, or story at:

[Sofiaspyramid.com/submit](https://sofiaspyramid.com/submit)

[Sofiaspyramid.com/certificate](https://sofiaspyramid.com/certificate)

Build, record, share!



#SofiasPyramid