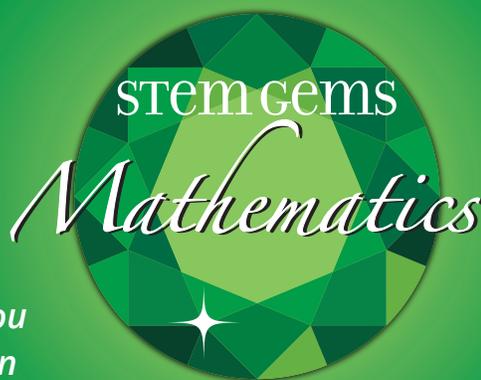


STEM Gem Career:
ARCHITECT

STEM Gem:
JEANNE GANG

“When you find something that really resonates with you, something that makes you stay up all night thinking about it, that’s when you know you’ve found the right path for you.”



Is a career in Architecture in your future? Architecture is, at its core, an artistic representation of math. STEM Gem Jeanne Gang has revolutionized the field by using scientific research to push the use of innovative materials. Her buildings, including the infamous Aqua Tower in Chicago, are the artful blend of the natural environment and urban life. Watch one of her videos. Then, with your STEM Gems Tribe, **discuss, explore, reflect,** and **act.**

DISCUSS

1. How do Architects like Ms. Gang make a difference in the world?
2. What experiences did Ms. Gang have that led to her pursuit of a career as an Architect?
3. What is Ms. Gang’s educational background?
4. What are some of the challenges that Ms. Gang faced along her journey?
5. What are some of Ms. Gang’s key accomplishments?
6. What inspired you most about Ms. Gang’s story?
7. Ms. Gang says: *“When you find something that really resonates with you, something that makes you stay up all night thinking about it, that’s when you know you’ve found the right path for you.”* How does this resonate with you?

EXPLORE

1. To pursue a career as an Architect, what college majors should you consider? What colleges and universities have programs in these areas?
2. What companies hire Architects? What is the salary range for an Architect?
3. What classes should you take in middle and high school to prepare for college and a career as an Architect?
4. Name at least two other women Architects. How are they similar to Ms. Gang? How are they different?
5. What professional organizations support women in Architecture? Do they have programs available for middle and high school students?

REFLECT

Ms. Gang says that it is important to expose yourself to different opportunities and ways of thinking, but you also have to follow your own interests. Are you open-minded and inquisitive? Explore traditional and non-traditional careers. Nurture your interests while investigating other opportunities that may also be appealing.

ACT

It's time to step outside your comfort zone. Name one concrete thing you will do before your next meeting that will have you one step closer to becoming a STEM Gem. Blog about it. Include it in your written or photo journal. Hold yourself accountable.

Work hard. Be brave. Stay curious.

BE A GEM!

Stephanie Espy

P.S. I'd love to hear about your journey. Share on Facebook, Twitter, or Instagram and tag @STEMGemsBook #STEMGemsTribe, or email me at tribe@STEMGemsBook.com.