



CADET **Quest**

February 2023

**HYDRAULIC
BRIDGE
PROJECT**

**ROLLER
COASTERS**

**AMAZING
BASEBALL
STADIUMS**

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VERSE OF THE MONTH:

HAGGAI 1:8

“Go up into the mountains and bring down timber and build my house, so that I may take pleasure in it and be honored,” says the Lord.

DID YOU KNOW?

There is a skyscraper in Manhattan which has no windows.

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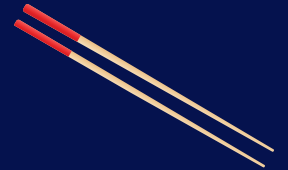
CAN YOU FIND THESE THINGS HIDDEN THROUGH THE MAGAZINE?



February
Children's Dental Health Month



February 6
Chopsticks Day



February 9
Pizza Day



February 22
World Thinking Day



CONTACT US!

Write to us at
Submissions@calvinistcadets.org
Or find us here



ON THE INSIDE:



AMAZING

Architecture

Do you like building things out of Lego? Have you ever built a tree-fort?

God created each of us with an amazing ability to create and design. Some people may be better than others at coming up with new ideas, but we can all make something.

Amazing Baseball Stadiums, on page 6, talks about Fenway Park in Boston. I got to visit this stadium last summer and it was incredible to see some of the different aspects of its design.

There are many other amazing buildings and structures people have designed over the years. The following pages highlight a few of them.

Next time you walk down the street, pay attention to some of the amazing things people have created using the gifts God gave them.



The Bible is an amazing book. Written over many years, by many people, in several languages, the entire book has one consistent message. Each of these authors came from a different time and place, yet has their role in writing the greatest story ever told.

You'll be able to find help for Doing Question 2 on page 10.

If you are keeping up with the Bible memorization plans you are doing an amazing job. If you haven't started, or have fallen behind, don't worry, there is still time to get this done.

Make sure you recite your verses to your counselor each month and have them noted in your Bible memorization log.

This month's verses are found on page 10.



I hope you're still working on the Home Cooking badge. This month we talk about baking. Baking is involved in making some of the most delicious treats. Make sure you have an adult's permission before you start. Look for some information and recipes involving baking on page 20.

TALLEST RESIDENTIAL:

*Central Park Tower,
New York, USA*

HEIGHT: 1,550 feet (472.4 meters)



SLIMMEST:

Steinway Tower, New York, USA

HEIGHT: 1,428 feet (435.3 meters)

WIDTH: 59 feet (18 meters) at base

That's a slenderness ratio of 1:24!

EXTREME



HEAVIEST:

*The Palace of the Parliament
Bucharest, Romania*

STEEL AND BRONZE:

1.5 billion lb (700,000 tons)

MARBLE:

35.3 million feet (1 million meters)

CRYSTAL GLASS:

7.7 million lb (3,500 tons)

WOOD:

31.7 million feet (900,000 meters)

WORLD'S TALLEST:
Burj Khalifa, Dubai, United Arab Emirates
HEIGHT: 2,717 feet (828 meters)

MOST FLOORS TOO! 163

**THE WORLD'S
TALLEST
UNOCCUPIED:**



*Goldin Finance 117,
Tianjin, China*
HEIGHT: 1,953.7
feet (595.5 meters)



BUILDINGS



LARGEST BY VOLUME:
Boeing, Washington, USA

VOLUME:
472 million cubic feet
(13.4 million cubic meters)

**DISNEYLAND COULD
FIT INSIDE WITH
ROOM TO SPARE!**



AMAZING BASEBALL STADIUMS

BY MICHAEL BEST

PNC Park in Pittsburgh, PA sits along the Allegheny River offering one of the best city skyline views.

Attending a baseball game at a Major League stadium is one of the most exciting sporting experiences around. Think about the organ playing "Take Me Out to the Ballgame," the awesome hot dogs, the fresh peanuts, the stolen bases and the mighty home run that clinches the win for your favorite team. All of this contributes to one of the quintessential American pastimes.

Back in the day, young baseball players only needed a bat, a ball, a sandlot, and a couple of friends to play baseball. Today, at the Major League

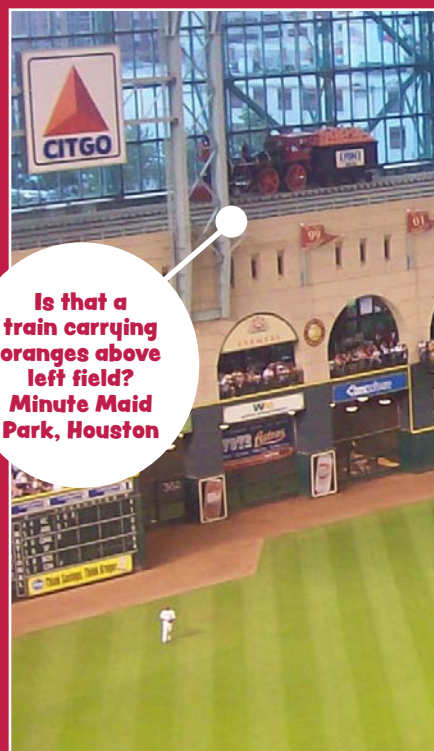
level, the game has gone high-tech with gigantic scoreboards, extravagant water fountains, fireworks after home runs and more. The experience is amazing, memorable, and exciting for fans and players alike.

Amazing baseball stadiums can be found in most major North American cities. Even with so many amazing innovations, no two professional ballparks are designed the same. Some have artificial grass. Others have retractable roofs. Some have more than 50,000 seats, while others only can hold 35,000 fans. Even the dimensions of the walls around the ballparks are not identical.

right field fences have a minimum of 325 feet. Bases on a Major League Baseball Field are each spaced 90 feet apart, formed in the shape of an equal sided diamond. The pitching distance from the front of the pitching rubber to the tip of home plate is set at the peculiar and exact 60 feet 6 inches.

Regarding the immense and grand stadiums each Major League Baseball team plays its games in, the role of architects impacts both the outcome of the game and the overall fan experience. In addition to the fan experience, an architect responsible for the design of a Major League Baseball ballpark must be concerned with security, sightlines for over 50,000 spectators, as well as the overall style and look.

Often architects have been unable to predict the lasting impact their designs will have on the team, the fans or the outcome of the game. Take Fenway Park in Boston, Massachusetts where the Boston Red Sox play their games. It is one of the most historic and unique ballparks around. While Fenway Park doesn't have all the amazing high-tech innovations of many modern ballparks, it more than makes up for this shortcoming with charm, history, and something called the Green Monster. This great wall is 37 feet and 2 inches high and is the highest wall in Major League Baseball. In most games, the height



Is that a train carrying oranges above left field? Minute Maid Park, Houston



Retractable roof on the Rogers Centre, Toronto.

According to the official Major League rules, each ballpark is allowed to design their outfield fences any way they want while meeting certain minimum distances. For example, the centerfield fence must be at least 400 feet from the tip of home plate, while the left and

of the Green Monster leads to many challenging fielding plays. Over the years, hundreds if not thousands of bloopers have occurred due to the many unpredictable bounces off the Green Monster. Many a hitter has launched a sure home run only to have it gobbled up by the Green Monster, leading to a double, a very long single or even an out.

The Green Monster was originally made of wood, it wasn't even green, and instead it was covered in billboard style advertisements for local and national business. It was not until 1947 that the great wall was painted green, thus creating an essential piece of the Fenway Park architecture. A few years later it was covered in tin and concrete. Twenty-two years later, in 1997, the Green Monster was finally covered in a hard green plastic.

The practical reason the Green Monster was built so tall was upon the request of the owner of the Red Sox in 1912. The owner had a lot invested in the team and hoped for a big financial payday. However, he was worried that people sitting atop high rooftops behind left field would get a free view of the entire game. So, the owner hired an architect who designed a 25-foot wall made of wood. When a fire in 1933 destroyed the ballpark, the wall was extended

to its current height of 37 feet and 2 inches. At that time, they also added a 23-foot-tall net at the top of the wall so home run balls wouldn't damage the businesses or pedestrians on the neighboring busy street behind the wall.

The entire look and feel of Fenway Park is that of an antique. In fact, it is the oldest Major League ballpark in use. Much of its outside is covered in brick. While not a common style today, Fenway Park was designed in a popular early 1900's architectural style known as "Tapestry Brickstyle."

Often, architects are hired to renovate or update an existing structure. Over the years, the fans of Fenway Park have resisted change at their beloved ballpark. They have always loved it just the way it is. As a newspaper article in 1976 reported about the addition of a huge electronic scoreboard in centerfield, "Traditional Bostonians...resist the intrusion of this message-shrieking gadget at serene Fenway."

Boston Red Sox certainly love their history, they love the old-style vibe of Fenway Park, and they will always love their traditional and quirky manual scoreboard that posts the balls and strikes at each at bat, as well as out of town live scores. While a modern electronic scoreboard was

added almost 50 years ago, the old manual scoreboard built into the leftfield Green Monster still operates to this day.

There have been other changes to Fenway Park. One of the most popular happened about twenty years ago when an architect designed the ultimate "monster" experience. Right atop the Green Monster, newly constructed seats now are offered to 269 lucky fans. These seats are typically among the first to sell out.

One day Fenway Park will need to be renovated once again. What might the baseball ballpark of the future need? Will architects have to account for a place for robot umpires? Will they have to design electric charging stations for potential drone deliveries of pizza, ice cream and peanuts? Will the rules change so much that whole new ballparks will need to be designed? These and other future considerations are unknown, though surely creative future architects will have to solve problems, address changes in rules, and continue to deliver amazing fan experiences. Fenway Park, too, will have to modernize, but rest assured the iconic Green Monster and the rest of the historic ballpark are built to last.

FUN FACTS ABOUT FENWAY PARK:

Fenway Park is the oldest Major League Baseball stadium and has been the home of the Boston Red Sox since it was opened in 1912.

Fenway is one of the smallest stadiums in the League and one of eight that cannot seat at least 40,000 people.

Fenway Park's architectural, historical, and cultural significance earned it a place on the National Register of Historic Places.

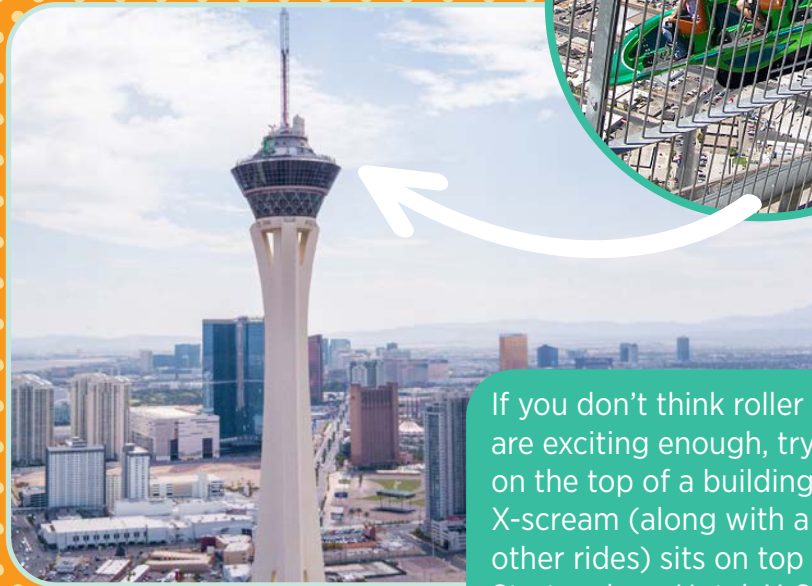
There are Morse code messages written on the Green Monster scoreboard. They spell out the initials of longtime owners of the team.

College and professional football games have been played at Fenway Park, in addition to some famous musical concerts.

WHOA ROLLER COASTERS!

Buildings are not the only things that get designed. Have you ever heard of a roller coaster designer? You may have been to Six Flags or Canada's Wonderland, but have you ever put much thought into who thinks this stuff up? Well that would be a Roller Coaster Designer! Check out these AMAZING roller coaster designs where function meets design.

X-SCREAM, LAS VEGAS, USA



If you don't think roller coasters are exciting enough, try one on the top of a building! The X-Scream (along with a few other rides) sits on top of the Stratosphere Hotel. X-Scream teeter totters you over the edge of the SkyPod from 866 feet high, propelling riders head first 27 feet over the edge of the tower. After being shot over the edge, passengers are dangled weightlessly above the Las Vegas Strip before being pulled back and propelled again.

SPACE MOUNTAIN, WALT DISNEY WORLD, ORLANDO

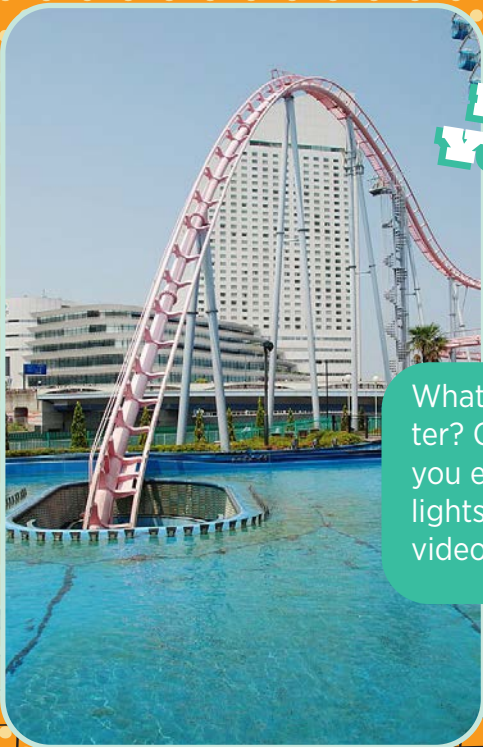
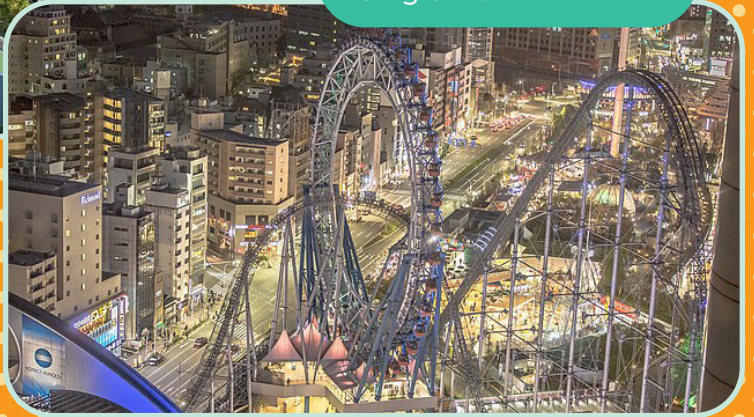


Space Mountain is unique because the whole thing is indoors! It is designed to make you feel like you are blasting through outer space.

THUNDER DOLPHIN, LAQUA AMUSEMENT PARK, TOKYO DOME CITY, TOKYO



This one may not be on top of a building, but it goes right through one! The Thunder Dolphin sits smack dab in the middle of the city. Driving underneath is almost as intense as riding on it!



DIVING COASTER VANISH, YOKOHAMA COSMO WORLD, YOKOHAMA, JAPAN

What about diving straight into the water? Once you splash through the water, you enter a black tunnel with glowing lights. You can google it and watch a video of the ride!

MODEL CAR DERBY PATCHES AND KITS

\$3.00 per kit + shipping \$1.00 per patch + shipping

Each kit is individually packaged and is complete with everything you need. For more details or a sample patch or kit, contact:

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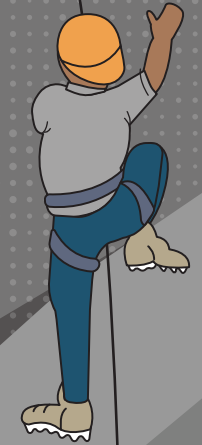


THE AMAZING BIBLE

A 100 BIBLE VERSE CHALLENGE!



I hope you've been working on the Bible Knowledge badge with us through this season of Cadet Quest. If you can match the names of the authors with the book of the Bible they wrote, you will be done with the "Doing" Question #2 for the badge.



- Ecclesiastes
- Daniel
- Nahum
- Zechariah
- Haggai
- Acts
- Revelation
- 1&2 Peter
- James
- Romans

- Daniel
- Haggai
- James
- John
- Luke
- Nahum
- Paul
- Peter
- Solomon
- Zechariah



TREK TO 100

In each issue of Cadet Quest this year there is a challenge for you to memorize Bible verses. If you get them all done, you will earn the 100-verse memorization badge. This month you are encouraged to memorize what is probably the most well-known passage about love in the Bible. These verses are taken from the NIV. If you use a different translation of the Bible, that's fine.

1 Corinthians 13

- 1. If I speak in the tongues of men or of angels, but do not have love, I am only a resounding gong or a clanging cymbal.
- 2. If I have the gift of prophecy and can fathom all mysteries and all knowledge, and if I have a faith that can move mountains, but do not have love, I am nothing.
- 3. If I give all I possess to the poor and give over my body to hardship that I may boast, but do not have love, I gain nothing.
- 4. Love is patient, love is kind. It does not envy, it does not boast, it is not proud.
- 5. It does not dishonor others, it is not self-seeking, it is not easily angered, it keeps no record of wrongs.
- 6. Love does not delight in evil but rejoices with the truth.
- 7. It always protects, always trusts, always hopes, always perseveres.
- 8. Love never fails. But where there are prophecies, they will cease; where there are tongues, they will be stilled; where there is knowledge, it will pass away.
- 9. For we know in part and we prophesy in part,
- 10. but when completeness comes, what is in part disappears.
- 11. When I was a child, I talked like a child, I thought like a child, I reasoned like a child. When I became a man, I put the ways of childhood behind me.
- 12. For now we see only a reflection as in a mirror; then we shall see face to face. Now I know in part; then I shall know fully, even as I am fully known.
- 13. And now these three remain: faith, hope and love. But the greatest of these is love.

LESSON 15

SALTY CHRISTIANS ARE GRATEFUL & LOYAL

MARK 9:50

“Brendan, you should have heard my mom! She was really ticked at me for not saying ‘Thank you’ when she picked me up after ball practice at school yesterday. She’s my mom, so I didn’t think I needed to say that every time she does some little thing for me.” Seth complained.

“I know what you mean. Every time I forget to say ‘thanks’ around the house, I get yelled at by my dad. And lately he says that I’m not being loyal to my sister because I don’t want to take her with me to the park.” Brendan replied.

Counselor Keith overheard the two boys, “Hey guys, it sounds like you two have a bit of a problem with understanding what it means to be grateful and loyal. Do you remember they are part of your Cadet Code?”



01 Our Cadet pledge lists a number of ways we can show thanks to God for all He has given us. How can living a thankful life be “salt”? (Mark 9:50)

02 Read the story of the ten lepers who came to Jesus in Luke 17:11-19.

- What did they ask of Jesus and how did He respond?
- Why was Jesus disappointed?

03 In what way is sin like leprosy? What is the cure for sin, and how do we get it?

04 How can we show God that we are truly grateful for ...

- our parents
- our possessions
- our country
- our friends
- what Jesus Christ has done for us

05 Define “loyalty,” and then complete the following sentence:

Loyalty should be a natural result of gratitude because ...

06 Faithfulness is another word for loyalty. Being faithful is easy when things go well. Describe a time when you were faithful even when it was difficult.

Use the code to find out why God wants us to express our thanks to Him.

	1	2	3	4	5
Orange	R	A	F	W	I
Blue	K	P	Y	S	R
Yellow	C	G	L	E	A
Dark Blue	N	H	V	C	U
Pink	T	E	O	B	D

4 4

1 2 2 1 1 3 5 3 5 1 5

4 3 4 3 1 4 2 5 2 2 3 5

5 1 4 2 2 1 2 4 3 3

4 5 1 2 5 4 3 2 1 4 1 1 2

2 1 5 5 4 4

MAKE IT PERSONAL!

We show thanks and loyalty through good works, not to be saved but because we are saved. This week look for a way to express your gratefulness that shows others your loyalty to God.

Let love and faithfulness never leave you; bind them around your neck, write them on the tablet of your heart. Proverbs 3:3

LESSON 16 SALTY CHRISTIANS ARE INDUSTRIOUS & CHEERFUL MARK 8:1-8

“Do you call this picked up? Brady, I’ve asked you three times to pick up your room. Get up here now and do it right!”

These words, no doubt, sound familiar. Brady hates cleaning his room. Even though he knows he has to do it once each week, he puts it off. Carson, on the other hand, quickly does anything that his parents ask. He’s a hard worker, but you’ve never heard anyone complain as much as Carson does.

Scripture talks to us about getting the job done. It also talks to us about our attitude.



- 01** What does it mean to be industrious (Ecclesiastes 9:10, Colossians 3:23–24)? How can this be “salty”? (Mark 9:50)
- 02** What do these verses from Proverbs tell us about our chores around the house? About our homework? About our after-school jobs?
 - Proverbs 13:4
 - Proverbs 20:13
 - Proverbs 21:5
- 03** Our Cadet Code ends with the word cheerful. See if you can come up with five different endings to the sentence: *Cheerfulness is ...*
- 04** Do you think the following statements are true or false? Why?
 - *Happy, cheerful, glad*, and feeling good all mean the same thing.
 - It is possible to be cheerful and sad at the same time.
 - A smile means that someone is feeling good.
- 05** The Bible doesn’t use the word cheerfulness very often, but it does talk about happiness. What does the Bible say about true happiness in these verses?
 - Psalm 144:15 • Proverbs 16:20
 - Proverbs 3:13 • Proverbs 29:18
 - Proverbs 14:21 • 1 Peter 3:14
- 06** What do you think it means to be cheerfully industrious (see Ephesians 6:7–8, Colossians 3:17)?

The Cadet Code tells what we have to do to remain salty Christians. Recite that code and find the words hidden in the word search puzzle below. (You don’t need to find the “A”.) When you’ve finished, write out the unused letters to find a verse to remember.

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

-----,

----- ... [-----]

MAKE IT PERSONAL!

It is easy to find things to complain about. For each day this week, write down something to be cheerful about in each of these categories: school, family, Cadets, church, chores.

The Lord has done it this very day; let us rejoice today and be glad. Psalm 118:24

LESSON 17 I WANT MORE MARK 10:17-31

In the past few years, there have been many “reality” TV shows, most involving contestants competing to win lots of money. On “Survivor,” people wanting to win the game do things — especially lying — to other contestants that would otherwise be unacceptable. On “Amazing Race,” people do things that are dangerous or gross to win. Many people want to compete on these shows, and would do just about anything to win lots of money. Millions of people dream of being rich so they can buy anything they want.

Just think what you could do with a lot of money! You could get a top-notch new bike every year. You could buy whatever computer and video game system along with any games you wanted. You could swim in your own indoor swimming pool! You could have the sports car of your dreams waiting for you when you get old enough to drive. Sounds great, doesn't it?



01 Mark 10:17–22 gives an account of a rich young man who asked Jesus what he had to do to receive eternal life.

- Was this man as religious or good as he said (vs. 20)?
- What was he missing and why did he leave sad?

02 How hard is it for a rich man to get into heaven (vs. 25)? Can a rich man be saved (vs. 27)?

03 Solomon ranks as one of the wealthiest people who ever lived. What is his warning and his advice?

- Proverbs 23:4–5
- Ecclesiastes 5:10

04 In Luke 12:15, Jesus gives us a stern warning about things we value. What is this warning?

05 Is it a sin to be rich?

06 Real wealth is not found in having lots of things or money. What does Jesus say real wealth is (Matthew 6:20–21)?

How do we get this kind of wealth? Use the code to find some ways. Can you think of other ways to store treasures in heaven?



1 2 3 4 5 6 7 8 9 10

2 1 8 5 6,7 4 3,4 7 8

7,8 7 7 8 1 6,7 2,3 6,7 3 3 2,3 10

8,9 4,5 1 8 5 6,7 4 9 4,5 3

4 7 8,9 7,8 3 6

6 5 9,10 5 6,7 4 1,2 10 9 4,5 3

2 1 2,3 3 9 2 7 2,3 3

MAKE IT PERSONAL!

This week, whenever you find yourself wishing you had more, try to find a way to give some of what you already have away.

You shall have no other gods before me.

Deuteronomy 5:7

Lesson four

Why Give? Various Passages

1. As an example for us, Jesus is without equal. He is our most excellent role model. What did He, by example, teach us about giving (John 15:13; Philippians 2:8)?
2. As a teacher, Jesus is also without equal. What did He teach us about giving (Luke 6:38, 12:33, Acts 20:35)?
3. Why does it sometimes “hurt” to give?
4. If it can hurt to give, what does Luke 6:38 mean?
5. If you were to rate yourself on a “Giving Scale” of 1-10, with one being “I want to keep it all for myself” and ten being “I want to give it all away,” where would you be? Where would you like to be? Where do you think you should be?
6. What advice would you give William and Jayden about their “giving” project?



“Now listen,” whined William. “I went along with it last week when you wanted to visit the old peoples’ home. I did everything you asked me to — even sang those songs with the Cadets. That oughta be good enough! Now why do you want to go spoil it by taking up a collection for them? They should be happy we showed up at all, right?!”

“Besides,” Jayden blurted, “I need all the money I’ve got! Those people have had all their lives to make money. I need the money I get from my paper route just to live — I don’t even get enough to save any, let alone give it away.”

“Hey, slow down, you two,” their counselor laughed. “Give me a break. You’re the same guys who complained about going to the rest home last week. But you went, and we all had a good time, right?”

“It was OK, I guess. At least it didn’t cost us anything!” Jayden replied, looking to William for agreement.

“And now you’ve got some friends you didn’t have before! Come on, you two, admit it. It was good. But it was also an eye-opener. The only people in that rest home are the ones who can’t afford to be anywhere else. By the time they pay what little they can for their care there, they don’t have anything left. All we’re trying to do is take up a little collection to help buy a few things for the rest home that they could really use. Let’s get out our Bibles again and take a good look at what it says about giving.”

Solve the puzzle by unscrambling the letters and putting them in the proper squares.

NERSUOLGEY

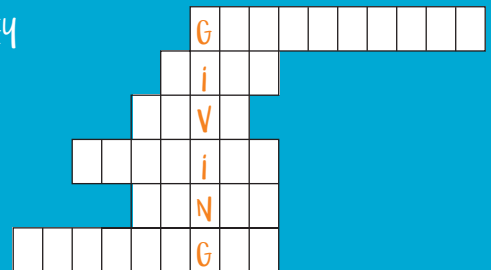
EMIT

VOEL

PAILYPH

YEMON

LYLILWING



Remember:

Have your cadre select a specific need that you can support financially. During this month look for ways to collect some money as a group.

We must help the weak, remembering the words the Lord Jesus himself said: “It is more blessed to give than to receive.”
Acts 20:35

Lesson five

How to Give What to Whom Matthew 6:25-34

1. The Bible tells us that we are to give both to God and to others. What does Malachi 3:8-11 tell us the Israelites were expected to give to God?

- Since they weren't obedient in giving, what did God call them (vs. 8)?
- If they became obedient givers, what would God do (vs. 10-11)?

2. How would you define tithes and offerings? What is the difference between the two?

3. Who should we give it to (Leviticus 25:35; Deuteronomy 15:7-8,11; Psalm 41:1)?

4. Why is it so important to help these people (Matthew 25:40)?

5. We enjoy exchanging Christmas and birthday gifts, but most of our gifts (other than tithes and offerings) are to family and friends. In fact, when it comes to personal gifts and acts of kindness, we often (almost always?) overlook those who need it most. What does Jesus say about that in Luke 14:12-14?

6. Read 2 Corinthians 9:7. What difference does it make if you give cheerfully or not?

We live in a materialistic society. From what we read throughout the Bible, this is not a new problem. Man has always had trouble keeping his priorities in line with God's priorities. People like to accumulate things, thinking that there is security in riches, land, and possessions.

But God tells us that this is not so. He says that if we put our confidence in riches, we are showing a lack of faith in Him. He has blessed us, particularly we who live in North America, with an abundance of wealth, but He does not want us to become dependent upon it. Instead we are entrusted with these blessings as stewards. Our money, in other words, still belongs to God, but He has given us the responsibility to spend or to give it wisely.



Use the code to figure out the verse below.



Remember:

It can be nice to see a person's reaction when we give them a gift, but we should never give a gift in order to be thanked or recognized. Look for a way to give to someone without people knowing it was you.

But when you give to the needy, do not let your left hand know what your right hand is doing, so that your giving may be in secret. Then your Father, who sees what is done in secret, will reward you.

Matthew 6:3-4

Lesson six



Dominic was looking at the box he had just unwrapped. It was a birthday present from his grandma. He was turning 11 and she had sent him some socks, a Thomas the Tank Engine coloring book, and a shirt with a logo of the wrong baseball team. This was not the gift he wanted.

"You should give your grandmother a phone call and say thank you, Dom," his mother was telling him.

"But Mom, she thinks I'm still a little kid." "She hasn't seen you for a while, and still remembers what you were like the last time she was able to travel here. Tell her thank you. Be gracious. Even if it's not the gift you wanted, aren't you glad to have a grandmother that loves you enough to send you a present?"

How to Receive

John 13:1-17

1. Have you ever had someone do a dirty task for you? How did it make you feel?

2. Why did Peter object to having Jesus wash his feet?

3. Do you have to wash someone else's feet if you want to go to heaven (verse 14)? Why or why not?

4. Read Genesis 32:13-18. Why did Jacob give this large gift to his brother? Was this a good reason to give the gift?

5. Read Genesis 33:1-11. Why did Esau accept this gift from his brother? Was this a good reason to accept the gift?

6. Read 1 Peter 4:10. You have been given gifts from God. Are you grateful for the gifts you've received? How do you use them?

Use the code to find out what God's new command is for you.

S	D	V	I	C	E	V	O	U
W	R	M	O	Y	N	G	E	M
E	N	A	L	U	T	L	A	H

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Remember:

Recognize you have received the perfect gift of love. Find three ways this week to give the gift of love to someone else.

By this everyone will know that you are my disciples, if you love one another.

John 13:35

AMAZING!

Lesson 9 • Amazing Skyscrapers • 1 Peter 4:10-11



“This view is awesome! I can see for miles and miles,” Colton said excitedly. “I’ve never been this high in a building before.”

Colton, and his family, were standing on The Ledge at the Skydeck of Willis Tower in Chicago. They were actually standing outside of the building in a box with nothing but a glass floor and air beneath their feet.

“How high up are we?” Colton asked.

Colton’s dad responded, “We are 1,353 feet in the air. That is more than a quarter mile. This is one of the tallest buildings on the planet.”

“Where is the tallest building in the world?” Colton asked.

“That would be the Burj Khalifa in Dubai. It is a very tall skyscraper measuring 2,723 ft. It has 160 floors of apartments, hotels, and offices.”

“Wow, that’s amazing! Maybe we should visit that skyscraper some time,” Colton said.

Colton’s dad laughed and said, “Maybe we should just enjoy this skyscraper for now.”

01

What is the tallest building that you have ever been in? Did you feel small being in or around the building?

02

Why might some people find skyscrapers to be so fascinating?

03

What does 1 Peter 4:10-11 say that a person with the gift of architecture ought to do with that gift?

04

God uses people with special gifts to perform special tasks, see Exodus 35:30-35. What creative gifts do you feel God has given you?

05

For the church to function, lots of people with lots of abilities are needed, see Exodus 35:10-19. Which of these tasks would you have helped with? Why?

06

Read Ephesians 2:10. What does this verse tell us about what God created us to do?

Amazing architecture can be really cool, but it is important to remember what matters. Use the code to see what this verse says.

R L D U H F E I B P T Y G S O W V N M A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

8-3 18-13 3-4 2-11 18-3 10-7 19-3 9-4 20-5 16-3 11-9 1-2 8-1

17-6 3-2 12-5 9-7 18-3 11-10 5-3 7-4 18-2 19-1 4-1

10-3 15-2 17-10 4-3 9-3 8-3 8-3 14-6 16-2 5-8 10-2 12-6 9-1 10-1 2-6 18-4

14-3 3-2 6-1 10-8 10-5 15-14 6-3 17-2 1-5 10-5 1-6 16-4 20-3 9-2 15-3

11-9 1-17 7-4 5-2 18-2 20-19 5-6 10-5 13-7 11-7 6-3 4-1 13-2 9-2 10-4

16-2 13-2 17-6 7-5 10-2 16-1 4-3 9-1 10-8 19-8 9-2 12-7 11-1 3-1 6-1 9-5

7-2 1-3 10-2 12-10 8-3 15-6 10-2 10-5 10-6 13-6 10-10 9-9 6-1 14-6 19-1 4-1 11-3

Remember!

We’ve all been given different gifts, and God has good works planned for us to do. Find a way this week to do good for someone else with one of your gifts.

We have different gifts, according to the grace given to each of us.

FIVE MONTHS



'TIL CAMP!

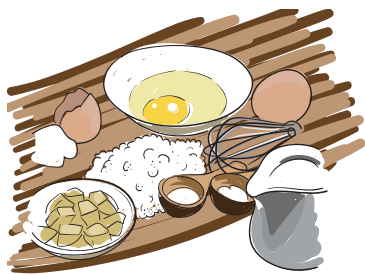


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HOME COOKING

One method of cooking is **baking**. Baking is a method which cooks food with a dry heat. It is typically done in an oven, but it can be done on hot stones or with hot ashes. Some of the more common foods made via baking include breads, cakes and cookies. Heat from an oven first warms the outside of the raw food, and then travels inwards, changing the texture and consistency of the item. Baking leads to a crusty outside and a softer inside.



Keep working on your home cooking badge! Do you want to be featured on our Facebook page? Share pictures of you or your cadre working on these pages. Send them to info@calvin-istcadets.org!



Remember to never cook without the permission of an adult.

Chocolate Cake

Ingredients:

- 2 cups all-purpose flour
- 2 cups sugar
- $\frac{3}{4}$ cup cocoa powder
- 2 teaspoons baking soda
- 1 teaspoon baking powder
- $\frac{1}{2}$ teaspoon salt
- 2 large eggs
- 1 cup buttermilk
- $\frac{1}{2}$ cup vegetable oil
- 2 teaspoons pure vanilla extract
- 1 cup very hot water



EASY CHOCOLATE BUTTERMILK FROSTING

- $\frac{1}{2}$ cup butter
- 4 tablespoons cocoa powder
- 6 tablespoons buttermilk
- 1 teaspoon pure vanilla extract
- 16 ounces powdered sugar, or up to 4 cups, as needed to reach desired consistency
- $\frac{1}{2}$ cup finely chopped pecans or walnuts, optional

Instructions:

Preheat oven to 350°F. Coat a 13- x 9-inch baking dish with nonstick cooking spray.

In a large mixing bowl, whisk together the flour, sugar, cocoa powder, baking soda, baking powder, and salt. Using an electric hand or stand mixer, beat in eggs, buttermilk, oil, and vanilla. Add hot water and mix until combined. Batter will be quite thin.

Pour batter into prepared baking dish. Bake for 35 to 40 minutes or until a toothpick inserted in center comes out clean. Cool completely in pan before frosting.

FOR THE FROSTING

Melt butter in a large saucepan over MEDIUM heat. Whisk in cocoa powder, buttermilk and vanilla. Turn heat to LOW and whisk in powdered sugar, using as much as you need until you've reached the desired consistency. It should be thick but pourable. Continue whisking vigorously until smooth. Stir in chopped nuts, if using, or reserve them to use as a garnish on top of frosting.

Immediately pour frosting over cake and use an off-set spatula or butter knife to spread it out evenly over the surface. Garnish with nuts, if desired. Allow to set for a few minutes before slicing and serving the cake.



Sweet Blueberry Muffins

Ingredients:

- ½ cup butter, softened
- 1 ¼ cups sugar
- 2 eggs
- 1 tsp vanilla extract
- 1 tsp fresh lemon juice (can use lemon zest instead for even more flavor)
- ½ cup buttermilk (can use milk if you don't have buttermilk on hand, but we love the flavor buttermilk provides to this recipe)
- 2 cups all purpose flour
- 1 ½ tsp salt
- 2 tsp baking powder
- 2 cups blueberries
- 3 tsp sanding sugar
- 2 tbsp melted butter (optional)



Instructions:

Preheat the oven to 400°F.

Cream together the butter and 1 1/4 cups sugar until it becomes light and fluffy, preferably in a stand mixer or with a hand mixer.

Add in the eggs, one by one, making sure you beat well after each addition.

Stir in vanilla, lemon juice, buttermilk and mix well to combine.

Sift the flour, salt, and baking powder into to the sugar, buttermilk, butter, and eggs. Using a sifter will help to reduce clumping and prevent you from overworking muffins.

In a small bowl, lightly mash/smush about half of the blueberries with the back of a spoon and then stir into the batter. Fold in the remaining blueberries. We also like to save a couple to drop right on the tops of the muffins.

Line a muffin tin with cupcake liners. Fill ⅔ of the way with batter, leaving space for the muffin to rise.



Sprinkle the 3 teaspoons sanding sugar over the tops of the muffins, reduce oven heat to 375°F, and bake for about 30-35 minutes.

Optional: Reserve sanding sugar until end of cooking. In final 10 minutes of baking, brush tops of muffin with melted butter. Top with sanding sugar. Continue baking until toothpick inserted comes out completely clean.

Remove muffins from tin and cool at least 30 minutes.

Enjoy!

Easy Chocolate Chip Cookies

Ingredients:

- ½ cup butter
- ½ cup sugar
- ¼ cup brown sugar
- 2 tsp vanilla
- 1 large egg
- 1 ¾ cup flour
- ½ tsp baking soda
- ½ tsp salt
- 1 cup chocolate chips



Preheat the oven to 350°F. In a large bowl, microwave the butter slowly, so it melts but doesn't become hot. Mix the butter with the sugars, stir in the vanilla and egg. Next add the flour, baking soda and salt. The dough should be soft and sticky. Do not over mix. Gently add in the chocolate chips.

Use a 1.5" cookie scoop to place cookies on a prepared baking sheet. Bake for 7-10 minutes.





By: Lucinda J. Rollings

“Hey, Skyscraper!”

Are you taller than your friends? Do kids make fun of you? Ages ago those who were especially tall often had the nickname, “Skyscraper.” When first used, a skyscraper was anything that stood out. King Saul in the Bible may have been termed a skyscraper. The Bible says, “As he stood among the people, he was a head taller than any of the others” (1 Samuel 10:23). Besides giants mentioned in the Bible, whose heights are not given, other tall people cited are Goliath, over nine feet tall, and an Egyptian, who was 7 and a half feet tall (1 Samuel 17:4 / 1 Chronicles 11:23).

Human “skyscrapers” today often make good basketball players – like Tacko Fall, at 7’5”. The tallest man in the United States, recorded by the Guinness World Book of Records was Robert Wadlow, at 8’11”.

Ancient Skyscrapers

Skyscrapers seem to reach into the heavens. The Bible records an infamous skyscraper in Genesis 11:1-9. Sometime after the great flood of Noah’s day the people decided, “Come, let us build ourselves a city, with a tower that reaches to the heavens, so that

we may make a name for ourselves and not be scattered over the face of the whole earth.” The people wanted their own way to get to heaven – not God’s way. Their prideful building project would have others looking to them and praising them. What’s wrong with this scenario?

We are to follow God’s ways. We are to give HIM glory and praise. You probably know what happened. At the time, the people all spoke the same language. God caused them to speak different languages which confused them and their building extravaganza was forsaken. The people scattered throughout the world – like God had told them to do in the beginning, and after the flood (Genesis 1:28 and 9:1).

Fast Forward to Today

The first modern buildings called “skyscrapers” were pretty chunky looking – not the tall, sleek buildings we think of as skyscrapers. Chicago boasted the first in the United States. Built in 1885, the Home Insurance Building towered above its neighbors with its ten stories and 138 feet in height. For all its glory, it was demolished only 46 years later.

Then for forty years, New York City boasted the world’s tall-

est building, the Empire State building, standing at 1,454 feet, which includes its spire and antenna. From its observatories, on a clear day, you can see six states: New York, New Jersey, Pennsylvania, Connecticut, Massachusetts, and Delaware.

In 1975, the CN Tower was built in Toronto, Ontario. It became the tallest free-standing structure in the world, listed at 553 m (1,815 ft) tall. You can stand outside on an observation deck 342 m (1,122 ft) over the city streets below, or choose to dine in revolving restaurant that rotates fully every 72 minutes.

Today, China brags of having five buildings in the tallest top ten. However, Burj Khalifa, (pronounced “burge kuh leaf uh”), in Dubai (Dew buy), is the world’s tallest structure, towering more than half a mile high at 2,716 feet. It is almost twice the height of the Empire State Building. The Burj takes eight other world records as well, including the longest elevator travel distance (but not the fastest); and the highest occupied floor at 1800 feet. Included in the spacious building, one of the world’s top tourist attractions, are 900 residences, six restaurants, four swimming pools, a library, office spaces, a hotel, three sun decks, spas, an art gallery, and 3,000 underground parking spaces. It also boasts the world’s highest



Burj Khalifa Fun Facts:

It takes 120 days to clean the windows.

Flight plans had to be changed in and out of the city for the building.

The amount of concrete in the building weighs as much as 100,000 elephants.

outdoor observation deck. Burj Khalifa, is one of the most photographed buildings in the world. Extreme daredevils make jumping from the top of it a treasured goal!

Foundations

Architects know the importance of a proper and firm foundation on every structure. In Matthew 7, you find the familiar object lesson Jesus used on building foundations with the wise man and the foolish man. The foundation today's skyscrapers must have are tremendous but none are eternal, like our God (Psalm 18:31). Modern foundations often prove unable to hold up the structure relying on them. A recent tragedy from a foundational collapse happened on June 24, 2021, in Surfside, Florida. Ninety-eight people were killed when a twelve-story beachfront condo collapsed. A research study said the condo had been sinking for decades. How many of those victims were prepared to meet God that day? Is your foundation safe and secure? "Now is the day of salvation" (2 Corinthians 6:2b).

Building on the Foundation

The tenth tallest building in the world is Taiwan's pagoda-styled Taipei 101 (pronounced "tie-pay"). This amazing greenish-hued structure, inspired by God's design of bamboo, towers 1,667 feet with its 101 stories. It is the tallest building in an earthquake zone and rests just 660 feet away from a major fault line. Taipei 101 was built to resist an earthquake of 9.0 on the Richter scale as well as typhoon winds

up to 135 mph. Its 380 concrete piers, each five feet in diameter, anchor the building 200 feet deep into the ground.

To compensate for building sway at almost one-third mile into the sky, an 18-foot diameter, steel-plated pendulum sphere, weighing more than four jumbo jets, swings indoors between the 87th and 92nd floors. Called a "damper," it moves in the opposite direction of the building's sway to reduce movement.

God the Holy Spirit and the Word of God are like that "damper" in our lives — to keep us from toppling in the storms of life or falling to temptation. They are building blocks, along with prayer, anchored deep on our salvation foundation in Jesus. God's Word "is useful for teaching, rebuking, correcting and training in righteousness" (2 Timothy 3:16). As we embed the truths of God's Word deep into our being we will not be blown about by false or deceitful teaching, and captivating teachers.

One false teaching is the motto: "Let your conscience be your guide." Our conscience can warn us to swing back in the right direction, like those car lane-departure alerts,

but sometimes our conscience becomes desensitized and runs amuck. We can always depend on the Holy Spirit's warnings and for Him to be our spiritual stabilizer. "But when he, the Spirit of truth, comes, he will guide you into all truth" (John 16:13).

When life's storms violently attack or when we sway from God's perfect plan, we can have confidence that we will never fall from His love and care (see John 10:27-29). No matter what your height, be sure your foundation is firm — and better than NBA player, Tacko Fall's size 22 shoes.



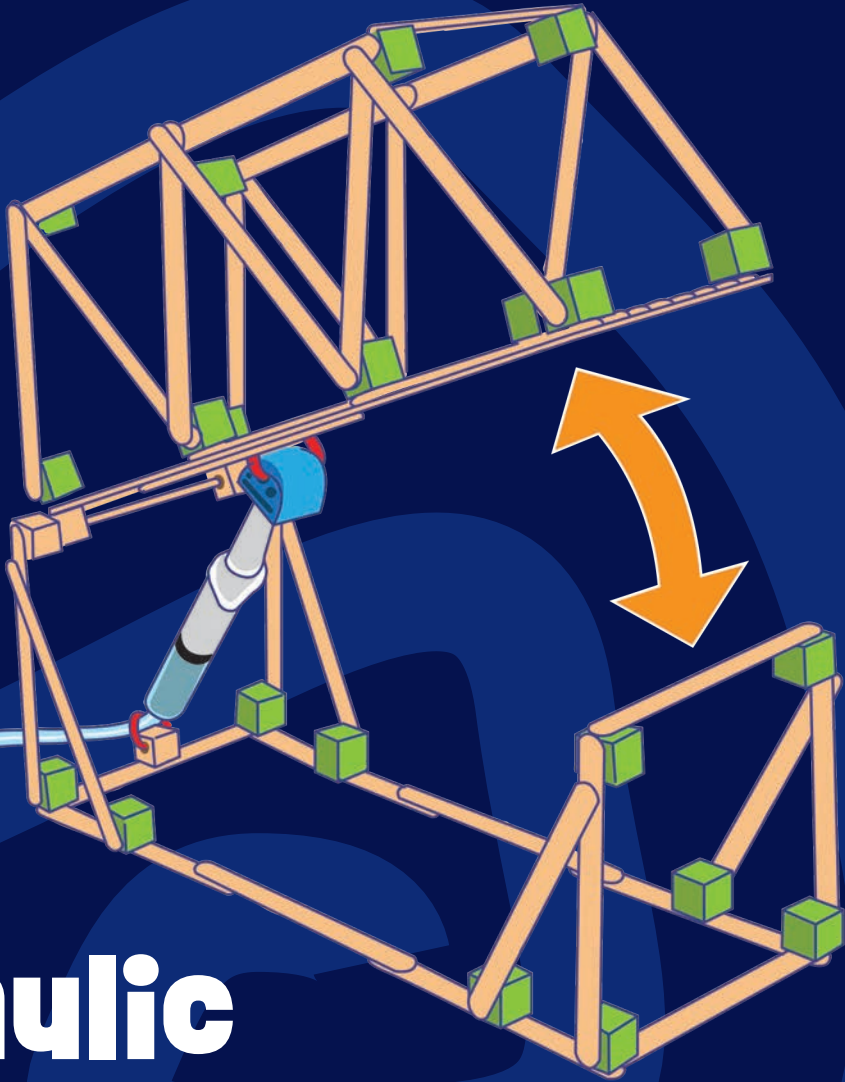
Taiwan's Taipei 101

Burj Khalifa





PROJECT



Hydraulic Bridge

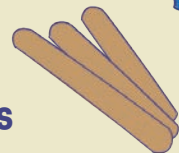
You will need:

hot glue gun



glue sticks

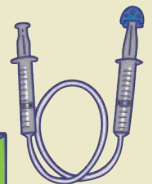
jumbo craft sticks



1/8" dowel cut to length of craft stick.



syringe and tubing kit



1/2" craft cubes



cubes with holes

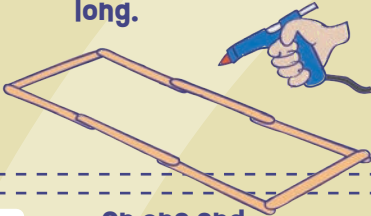


4" cable ties

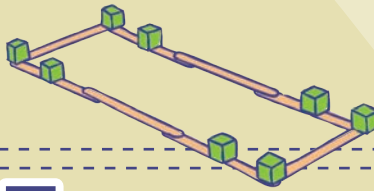


Let's Make it:

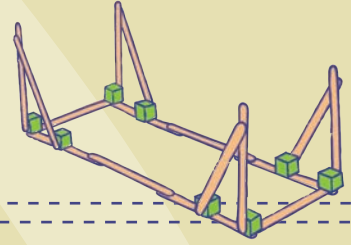
- 1.** With your hot glue and craft sticks, build a rectangle that is about 3 craft sticks long.



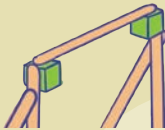
- 2.** Next, glue on 8 craft cubes. 4 at the corners. The other 4 are spaced an inch or two from the corners.



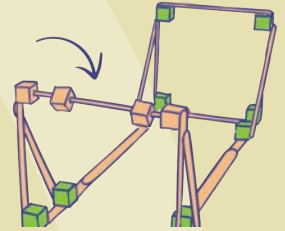
- 3.** Build two identical support structures on each side.



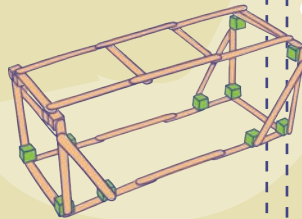
- 4.** On one end, connect the two supports with two cubes and a stick.



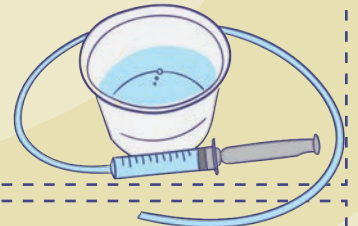
- 5.** On the other end, make a hinge with 4 cubes with holes and the dowel. Glue a cube to the top of each support. Then thread 2 cubes onto the dowel. Secure the ends of the dowel into the cubes on the supports.



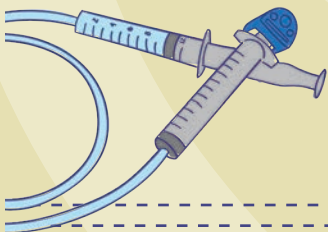
- 6.** Create the frame for the underside of the bridge. Start at one of the hinge cubes and glue a stick to it. Then continue gluing sticks together until your frame is connected to the opposite hinge cube.



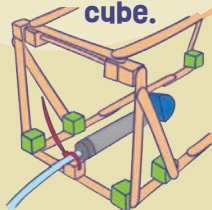
- 7.** To build hydraulic system, first fill one syringe with water. Then connect an 18" long tube to its nozzle. Push the water through to remove air. Fill the syringe back to 10 ml. Then connect the other empty syringe.



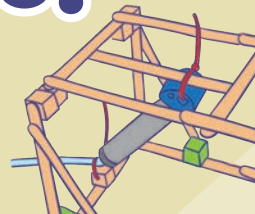
- 8.** If your syringe kit has an adapter, snap it on the syringe. *If not, glue a cube with hole to the syringe.



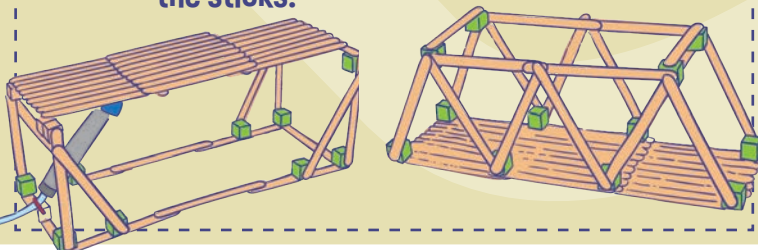
- 9.** Glue a cube with hole under the hinge. Use a cable tie to strap the nozzle of the syringe with the adapter to the cube.



- 10.** Glue a stick to the middle of the bridge frame. Tie the adapter to it using another cable tie.



- 11.** Complete the project by finishing the bridge. You can build it any way. The key to a good truss bridge is to use the triangle pattern. Remember to use cubes to hold up the sticks.



It's FORCE!!!

Pushing and pulling the plunger on the syringe will raise and lower your bridge using force. Using compressed water in the syringes is more efficient in transferring force than using compressed air.

Quest Fun

Designed for a Purpose

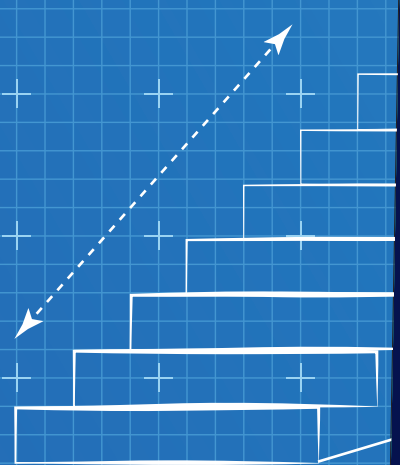
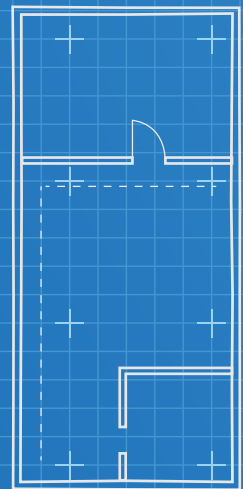
by Maureen Longnecker

Use the key to find the letters for each word in the list of things that architects have designed to fulfill a specific purpose.

KEY

A	B	C	D	E	F	G	H	I	J	K	L	M
α	∇	↗	∂	△	π	Ϛ	⊗	∨	⊖	⊕	⊗	⊕
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
β	⊗	%	≠	3	+	⊗	⊖	κ	∂	⊥	○	⊖

- #1. ■■■■■■ #2. ■■■■■■
 ∇ 3 ∨ ∂ Ϛ △ ↗ α + ⊗ ϕ △
- #3. ■■■■■■ ■■■■■■
 3 ⊗ ϕ ϕ △ 3 ↗ ⊗ α + ⊗ △ 3
- #4. ■■■■■■ ■■■■■■
 π △ 3 3 ∨ + ∂ ⊗ △ △ ϕ
- #5. ■■■■■■ ■■■■■■
 ⊕ △ 3 3 ○ Ϛ ⊗ 3 ⊗ ⊖ β ∂
- #6. ■■■■■■ ■■■■■■ #7. ■■■■■■
 ∂ α ⊗ △ 3 % α 3 M ↗ α ⊗ ⊗ △ ∂ 3 α ϕ
- #8. ■■■■■■ #9. ■■■■■■
 ∂ ∨ β ∂ ⊕ ∨ ϕ ϕ ↗ 3 ⊖ ∨ + △ + ⊗ ∨ %
- #10. ■■■■■■ #11. ■■■■■■
 α ∨ 3 % ⊗ 3 ⊗ ⊗ ⊗ ⊖ + △
- #12. ■■■■■■
 ⊗ ⊗ + % ∨ ⊗ α ϕ
- #13. ■■■■■■ ■■■■■■
 ⊗ π π ∨ ↗ △ ∇ ⊖ ∨ ϕ ∂ ∨ β Ϛ
- #14. ■■■■■■
 ⊗ ∨ Ϛ ⊗ ∂ α ○



Got Joke Mail?

Send yours to:
info@calvinistcadets.org



Why did the architect dip his finger in blue ink?

To get a blueprint!

What did the architect say to the circle?

"You're pointless."

Who should you hire to build your sandwich?

A Sub Contractor.

Who did Noah hire to build his boat?

An ARKitect of course!

Why can't your nose be 12 inches long?

Because then it would be a foot!

How do construction workers party?

They raise the roof!

What is the tallest building in the world?

The library. It has the most stories.

What nails do carpenters not like hammering?

Fingernails.

What is This???



What animal can jump higher than a house?

Any animal—a house can't jump!

What did one wall say to the other wall?

"Meet you at the corner!"

CASEY'S CADRE

By Bob Lyzenga

