

## HONOR • VALOR • LEGACY



## WHAT IS THE MEDAL OF HONOR?

The Medal of Honor is the highest award for valor in action against an enemy force which can be bestowed upon an individual serving in the Armed Services of the United States. It is generally presented to its recipient by the President of the United States of America in the

name of Congress. On December 9, 1861 Iowa Senator James W. Grimes introduced S. No. 82 in the United States Senate, a bill authorizing the production and distribution of "medals of honor." On December 21, 1861, the bill was passed. President Lincoln signed the bill and the Medal of Honor was born.



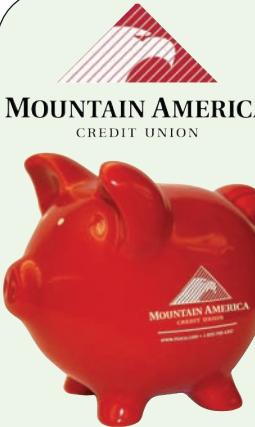
"Any nation that does not honor its heroes will not long endure."

— PRESIDENT ABRAHAM LINCOLN



## VETERANS DAY

Veterans Day was originally called Armistice Day because the actual fighting in World War I between the Allies and Germany ended with the armistice or truce, which went into effect on the 11th hour of the 11th day of the 11th month in 1918. In 1954, the name was changed to Veterans Day to honor all U.S. veterans who have served in the military. As we reflect on Medal of Honor recipients, we show respect for those who died for our country as well as the men and women who have served in the Armed Forces in the past and those who serve today.



## Saving for something special

Learning how to save money is important, whether you have a lot or a little. These tips will help you get started.

### Start at the finish

**Line:** To begin, start at the end. It might sound silly, but knowing what you want at the end can help you plan. Are you saving for a new car or for college? Maybe you want to buy a new bike. Whatever your goal, post a picture of it where you'll see it every day so you'll remember what you're saving for.

### Are you spending more than you're saving?

**saving?:** The second step is to look at what you're spending and how much you're actually saving. This is where even most adults panic. But it's not hard. Compare the numbers and ask yourself if you're spending too much money.

**Make a plan:** To save successfully, your expenses should not be greater than the total amount you want to save each week. Let's say you want to save \$400 for a guitar, your allowance is \$15 a week, but you spend \$10 every week on snacks and video games. This means you're only saving \$5 a week. However, if you save \$10 a week and you could buy that guitar in half the time.

## 2 CONNECT 1•2•3

### IN THE

NOVEMBER 2016

MARK ROGERS, ASSOCIATED PRESS



ANDREW GARFIELD PLAYS DESMON DOSS IN A SCENE FROM "HACKSAW RIDGE."

# Armed with faith

## NEW MOVIE, "HACKSAW RIDGE," SHOWS THE WWII FEATS OF MEDIC AND MEDAL OF HONOR RECIPIENT, DESMOND DOSS

BY REBECCA SANTANA  
ASSOCIATED PRESS

**NEW ORLEANS** — When Desmond Doss climbed up Hacksaw Ridge — a 400-foot high escarpment on the island of Okinawa with a wall of dug-in Japanese soldiers at the top — he carried his Bible, his combat medic supplies and the weight of his moral convictions, but no weapon.

When the wounded American Army private eventually came back down for good, he was credited with repeatedly braving harsh enemy fire to treat fellow troops, carry them to the cliff's edge and lower them to safety. For his heroics, he was awarded the Congressional Medal of Honor — a rarity for a conscientious objector.

Now his exploits on Okinawa and his struggles to serve both his country and his conscience have been made into a film, "Hacksaw Ridge," directed by Mel Gibson. For Gibson, telling the story of a man whose Medal of Honor citation goes on for two full pages and includes a wounded Doss giving up his stretcher to another wounded man, the challenge was almost having too heroic of a story to work with.

"You couldn't even tell everything the guy did because it becomes almost unbelievable," said Gibson.

Doss, a Seventh-day Adventist, felt his beliefs barred him from even carrying a weapon, let alone killing. But he wanted to serve his country and ended up in a combat infantry unit, tending to the wounded under some of the war's most dangerous conditions. The movie details how his fellow troops — initially extremely suspicious of Doss — came to admire his moral and physical courage.

In Europe, the war with Germany was all but over when Doss' unit arrived on Okinawa in late April. But in the Pacific, it was a bloody slog against the Japanese to capture island after island.

His unit was trying to take Hacksaw Ridge — formally called the Maeda Escarpment — and push out dug in Japanese troops. Doss' Medal of Honor citation describes how his unit was driven back down the cliff by a barrage of mortar, artillery and machine gun fire but Doss voluntarily stayed behind, evacuating the wounded by rope over the cliff, all under intense enemy fire.

While the movie focuses mostly on that one event where Doss is credited with rescuing 75, the citation notes how he repeatedly risked his life until he was wounded nearly a month later.

Growing up Doss' son, Desmond Doss Jr. said he heard his father's story hundreds of times as the elder Doss, who died in 2006, went to various functions to share it. The younger Doss said his father — like many others who perform heroic feats — often said he was just doing his job. But the son said his father also felt it was for the glory of his God and he needed to share his story.

For Doss Jr., the movie is an "incredible love story" wrapped in carnage.

"It's about a man that loved his mother. He loved his church. He loved his wife. He loved the men that he worked with even when they often times didn't much care for him. He never wavered in coming from this place of compassion, love and forgiveness," he said.

### On the Internet:

<http://www.desmonddoss.com/>  
<http://www.cmohs.org/>



U.S. FEDERAL GOVERNMENT  
PRESIDENT HARRY  
TRUMAN AWARDING THE  
MEDAL OF HONOR ON  
CONSCIENTIOUS OBJEC-  
TOR DESMOND DOSS,  
OCTOBER 12, 1945.



PHOTO COURTESY OF DESMONDDOSS.COM

PFC. DESMOND DOSS STANDS ATOP THE MAEDA  
ESCARPMENT IN OKINAWA WHERE HE USED A ROPE TO  
LOWER MORE THAN 75 WOUNDED FELLOW SOLDIERS TO  
SAFETY AFTER ADMINISTERING LIFE-SAVING FIRST AID.

### DOSS' MILITARY AWARDS

Medal of Honor  
Bronze Star with one oak leaf cluster  
Purple Heart with two oak leaf clusters  
Army Presidential Unit Citation  
Meritorious Unit Commendation  
Good Conduct Medal  
American Campaign Medal  
Asiatic-Pacific Campaign Medal with three 3/16" bronze stars  
World War II Victory Medal  
Army of Occupation Medal  
Philippine Liberation Medal with one 3/16" bronze star  
Combat Medical Badge

### IN POPULAR CULTURE

Doss is the subject of *The Conscientious Objector*, an award-winning documentary. He also is the subject of the book *The Unlikeliest Hero*. Doss was also featured in the *Medal of Honor Special* comic written by Doug Murray and published by Dark Horse comics.

—Wikipedia

# Each of us has an obligation to community

Medal of Honor recipients will attest to this: Extraordinary events motivate ordinary people to do extraordinary things. On and off the battlefield, crises form the stage on which valorous action takes place. But extraordinary acts are possible only if ordinary people rise to the challenge of the moment and if society values sacrifice.

What is important is not to acclaim the acts of an honorable few but to help people understand that, if our objective is to protect freedom and our way of life, each of us has an obligation to the community.

The Medal of Honor Curriculum Development Project demonstrates with crystal clarity that our your citizens, those who will carry our democracy into the future, can be taught the importance of service to the community and the qualities of courage, commitment, sacrifice, patriotism, integrity, and citizenship that made this nation great.



**COLONEL JACK H. JACOBS:** RECIPIENT OF THE MEDAL OF HONOR; CHAIRMAN, CONGRESSIONAL MEDAL OF HONOR CURRICULUM DEVELOPMENT PROJECT



SUSAN WALSH, ASSOCIATED PRESS

PRESIDENT BARACK OBAMA PRESENTS THE MEDAL OF HONOR TO RETIRED ARMY LT. COL. CHARLES KETTLES, JULY 18, 2016. KETTLES DISTINGUISHED HIMSELF IN COMBAT OPERATIONS NEAR DUC PHO, VIETNAM, AND IS CREDITED WITH SAVING THE LIVES OF 40 SOLDIERS AND FOUR OF HIS OWN CREW MEMBERS.

## MEET AMERICA'S HEROES

FIND MORE BIOGRAPHIES AT: THEMEDALOFHONOR.COM



U.S. FEDERAL GOVERNMENT

### CLARENCE E. SASSER:

On December 10, 1968, Specialist 5th Class Sasser was serving as a medical aidman with Company A 3d Battalion, on a reconnaissance in force operation. His company was making an air assault when it was taken under heavy fire. During the first few minutes, over 30 casualties were sustained. Without hesitation, Sasser ran across an open rice paddy through a hail of fire to assist the wounded. After helping one man to safety, he was painfully wounded in the left shoulder. Refusing medical action, he ran through a barrage of rocket and automatic weapons fire to aid casualties of the initial attack. Despite two additional wounds immobilizing his legs, he dragged himself through the mud toward another soldier 100 meters away. Although in pain and faint from blood loss, Sasser reached the man, treated him and proceeded on to encourage another group of soldiers to crawl 200 meters to relative safety. There he attended their wounds for five hours until they were evacuated.



ELEVENTH DAY ENTERTAINMENT

### CHRISTIAN A. FLEETWOOD:

Sergeant Major Fleetwood received the congressional Medal of Honor in 1865. A native of Baltimore who served in the U.S. 4th Colored Troops, Fleetwood was one of thousands of African Americans who fought in the Civil War. At the Battle of Chapin's Farm, Virginia, July 1864, Fleetwood valiantly defended the American flag and was awarded the Medal of Honor for his heroism. In 1948, his daughter Edith donated his medal to the National Museum, making him the first African American veteran to be honored by the Smithsonian.



WIKIPEDIA

### JOHN KING:

John King is one of only 19 people to have been awarded the Medal of Honor twice. His first award was given for extraordinary heroism in the line of his profession on board at the time of an accident to the boiler on 29 May 1901. Eight years later while a watertender, serving on board the U.S.S. Salem, he received a second Medal of Honor for a boiler explosion on 13 September 1909. He continued to serve at sea until discharged in 1916 and returned to active duty during World War I.



WIKIPEDIA

### THEODORE ROOSEVELT:

Roosevelt is the only U.S. president to have received the Medal of Honor. Awarded for conspicuous gallantry and intrepidity at the risk of his life above and beyond the call of duty, Lieutenant Colonel Theodore Roosevelt distinguished himself by acts of bravery on 1 July 1898, near Santiago de Cuba, Republic of Cuba, while leading a daring charge up San Juan Hill. Roosevelt accompanied by only four or five men, led a desperate and gallant charge up San Juan Hill, encouraging his troops to continue the assault through withering enemy fire over open countryside. Facing the enemy's heavy fire, he displayed extraordinary bravery throughout the charge, and was the first to reach the enemy trenches, where he quickly killed one of the enemy with his pistol, allowing his men to continue the assault. His leadership and valor turned the tide in the battle for San Juan Hill.

## MEDAL OF HONOR FACTS

**Total recipients:** 3,496

**Living recipients:** 77

**Double recipients:** 19

**Most recent living recipient:** Charles Kettles

★ More than 60% of the Medals of Honor awarded since the beginning of World War II have been awarded posthumously.

★ The Medal of Honor is the only military decoration worn around the neck. Other medals are worn over the left breast, normally on formal military uniforms.

★ One woman was awarded the Medal of Honor for her actions during the Civil War. Her name was Dr. Mary Walker and she cared for wounded Union soldiers on the battlefield and for the sick and wounded after she was captured and became a prisoner of war. Because she was a contract surgeon and not a member of the military, her Medal was rescinded by a board of review in 1917. It was reinstated during the administration of President Carter.



NATIONAL INSTITUTES OF HEALTH  
Dr. Mary E. Walker with her medal of honor.

## CITIZEN HONORS

Do you know a fellow citizen who has performed a singular act of extraordinary heroism or continued commitment to putting others first? Nominate them for the 2017 Congressional Medal of Honor Society Citizen Honors. 2017 nominations are open. Find out more at: themedalofhonor.com

**VOCABULARY**

Choose a value from the list: **courage, patriotism, sacrifice, commitment, citizenship and integrity.** Use the vocabulary template to analyze the word you chose. Look through the Deseret News to find a real life example.

DEFINITION	SYNONYM	REAL LIFE EXAMPLE	ANTONYM

After you have analyzed the word, choose a hero you may know who exemplifies the value. Your hero may be someone who served in the military or someone who is distinguished or admired for exceptional qualities and achievements. Write a short piece about how you think this person represents the value.

**DID YOU KNOW?**

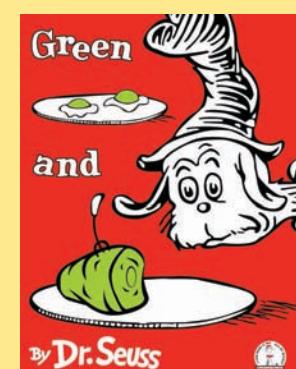
★ There have been two pairs of father and son Recipients. They were Lt. Arthur MacArthur (Civil War) and his son General Douglas MacArthur (WWII) and Lt. Col. (later President) Theodore Roosevelt (Spanish American War) and his son Brigadier General Theodore Roosevelt, Jr. (WWII).

★ It is not required to be a U.S. citizen to be awarded the Medal, but you must be in the U.S. military in order to qualify for the Medal of Honor.

★ The first heroic act awarded a Medal Of Honor was to Army Assistant Surgeon Bernard J.D. Irwin, who rescued 60 soldiers of 2d Lt. George Bascom's unit at Apache Pass, Arizona on February 13, 1861.



- Many of our soldiers have made the ultimate sacrifice to preserve the liberties we hold dear. Discuss First Amendment rights and other liberties we enjoy in America. Find newspaper stories about other countries where the rights we enjoy are withheld or are being violated. Write an editorial about what you think should be done to expand rights there. With the rights we enjoy come responsibilities. Find a story in the newspaper where citizens or government officials are either upholding or violating their responsibilities. Write a short summary identifying the 5Ws & H (who, what, when, where, why & how) of the story.
- Veterans exemplify good character qualities like loyalty, courage, responsibility, respect and other traits. Find stories in your newspaper about people that exhibit both good and bad character. What choice did they make? What was the outcome? What are the good or bad character traits that they exhibited? What can you learn from them?
- Find newspaper stories about veterans' military service, but also people who chose to fulfill their civic responsibility by serving in other ways such as firefighters, police, teachers, volunteers, etc. What is it about their service that makes it stand out beyond being a regular job? What sacrifices may they have to make as part of their service? Discuss ways that you and/or your class can serve your school or community.
- Newspaper Scavenger Hunt and Story: Find at least 15 words that relate to veterans or the armed forces (example: commemoration; war; holiday; military; etc.). Once the 15 words are found, write your own short story using at least 10 of the words you've chosen. Give your story a military theme.

**DID YOU KNOW?**

Did you know Dr. Seuss wrote the famous Green Eggs and Ham on a dare?

Ted Geisel, known as Dr. Seuss, was challenged to write a book



using only 50 different words. In an effort to make learning to read exciting for kids, he wrote a silly tale about a picky eater and a character who wouldn't take "no" for an answer.

Dr. Seuss took many things from his everyday life and made them extraordinary. In fact, his unique animal drawings are said to have come from his frequent walks through the zoo with his father growing up. It is believed that these memories are the root of the imaginative children's book, If I Ran the Zoo, which was published in 1950. What seemingly ordinary things could you transform? What stories could you tell? An adventure awaits those who choose to create.

Science and technology

# The Amazing Universe



The Carina Nebula is an immense cloud of gas and dust where a maelstrom of star birth and death is taking place. The nebula is located an estimated 7,500 light-years away.

IMAGE COURTESY OF NASA

■ BY LINDA HERMANS-KILLAM

**T**he cosmos is all that is, or ever was, or ever will be." This is how astronomer Carl Sagan described the universe. Cosmos is another word for universe. The universe is made up of everything we know of. Earth, the sun, and the moon are part of the universe. In fact, so are all of the planets, stars, and

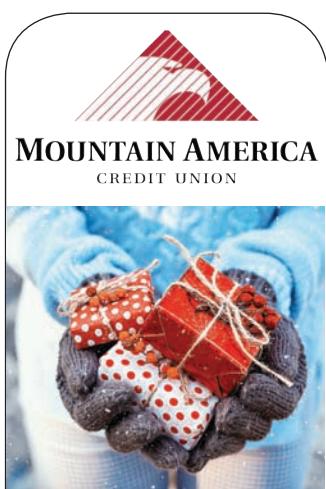


galaxies. All of space, time, energy, and matter exist inside the universe. The universe is so big that we cannot even see it all, and never will! But where did the universe come from? Scientists who study the universe are called astronomers. Astronomers discovered evidence that the universe was created in an enormous expansion beginning about 13.8 billion years ago called the Big Bang. At that moment, all of

the matter and energy in the universe was created. Time and space were also created in the Big Bang.

At the time of the Big Bang, everything in the universe was squeezed together in an incredibly hot and compressed state. The heat and pressure caused the universe to expand at extremely high speeds, which created space. As the universe expanded and cooled, stars, planets, and galaxies

UNIVERSE PAGE 2



## Gear up for holiday giving

Do you remember the best gift someone ever gave you? What made it so special? Giving gifts can make you feel the same way.

People give gifts for birthdays, holidays and religious occasions. It's also nice to give a gift to mark a special occasion like a graduation or new job.

Giving gifts takes planning and saving. Here are some tips to help you along:

- ◆ Make a list of all the people you want to give gifts to and how much each gift will cost. This will help you figure out how much money you need to save.

- ◆ Help your parents and neighbors with odd jobs to earn money. Offer to walk dogs, mow lawns or baby-sit.

- ◆ Save part of your allowance in your savings account.

Thoughtful gifts are the ones people keep for a long time. They don't have to cost a lot. Here are some inexpensive gift suggestions:

- ◆ Put together a photo album, or frame a picture of you and the person who will receive the gift.

- ◆ Buy or make a calendar and fill in birthdays and anniversaries. Add small pictures.

- ◆ Give chore coupons for a free car wash or night of baby-sitting.

# Phases of the moon



Waxing crescent      First quarter      Waxing gibbous      Full moon      Waxing gibbous      Third quarter      Waning crescent      New

**W**HY DOES THE MOON seem to change its shape every night? The moon is a world in space, just as Earth is. Like Earth, it's always half illuminated by the sun. In other words, the round globe of the moon has a "day side" and a "night side." From our earthly vantage point, as the moon orbits around Earth, we see varying fractions of its day and night sides. These are the changing phases of the moon.

One key to understanding moon phases is to think about the whereabouts of the sun. After all, it's the sun that's illuminating and creating the day side of the moon. Moon phases depend on the sun. They depend on where the moon is with respect to the sun in space.

Another key to understanding moon phases is to remember that, like the sun and all the planets and stars, the moon rises in the east and sets in the west each and every day.

It has to. The rising and setting of all celestial objects is due to Earth's continuous spin beneath the sky.

Finally, remember that the moon takes about a month (one "moonth") to orbit the Earth. Although the moon rises in the east and sets in the west each day (due to Earth's spin), it's also moving on the sky's dome each day due to its own motion in orbit around Earth. The moon's orbital motion can be detected in front of the stars from one night to the next. It's as though the moon is moving on the inside of a circle of 360 degrees. Thus the moon moves about 12 degrees each day.

The moon's orbital motion is toward the east. Each day, as the moon moves another 12 degrees toward the east on the sky's dome, Earth has to rotate a little longer to bring you around to where the moon is in space. Thus the moon rises, on average, about 50 minutes later each day.



TOM SMART, DESERET NEWS ARCHIVES

## UNIVERSE

### FROM 1

formed out of the matter present at the Big Bang. Today, the universe contains billions of galaxies, each of which contain millions or billions of stars, and possibly millions or billions of planets and moons.

But all of the things that we can see in the universe – such as planets, stars, and galaxies – make up only about 5 percent of what is in the universe. Most of the universe is made up of mysterious forms of matter and energy that we cannot see. These forms of matter and energy are called dark matter and dark energy.

We do not yet understand what

dark energy and dark matter are. However, experiments show that they exist. Dark matter is thought to make up about 27 percent of the universe, while about 68 percent of the universe is thought to be dark energy. Dark matter clumps together similar to the way galaxies do. Dark energy is thought to fill all of space, maybe the same everywhere, but maybe different at different places and times.

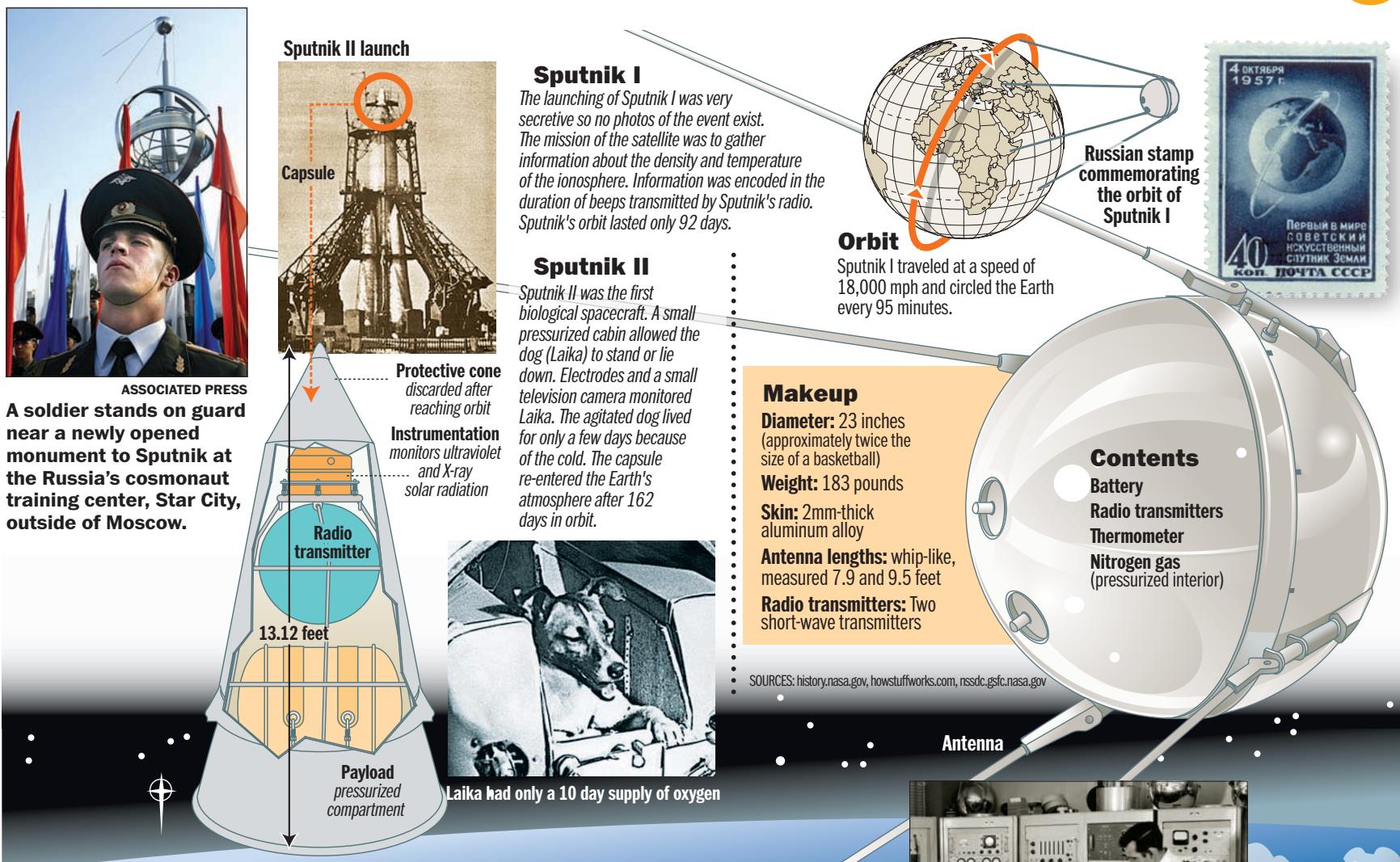
So as you can see, the universe is a huge, amazing place with many exciting mysteries to solve and discoveries to be made!

If you want to learn more about the Big Bang, visit the NASA Space Place: <http://spaceplace.nasa.gov/big-bang/en/>



NASA

This giant spiral disk of stars, dust and gas is 170,000 light-years across, or nearly twice the diameter of our Milky Way galaxy. M101 is estimated to contain at least one trillion stars. About 100 billion of them could be similar to our Sun.



Satellite's impact went far beyond technology

## Sputnik paved a path to global change

■ BY SETH BORENSTEIN  
ASSOCIATED PRESS

**WASHINGTON** — With a series of small beeps from a spiky globe 50 years ago, the world shrank and humanity's view of Earth and the cosmos expanded.

Sputnik, the first artificial satellite, was launched by the Soviets and circled the globe Oct. 4, 1957. The Space Age was born. And what followed were changes to everyday life that people now take for granted.

What we see on television, how we communicate with each other, and how we pay for what we buy have all changed with the birth of satellites.

Communications satellites helped bring wars and celebrations from thousands of miles away into our living rooms. When we go outside, weather satellites show us whether we need to carry an umbrella or flee a hurricane. And global positioning system satellites even keep us from getting lost on unfamiliar streets.

Sputnik gave birth to more than mere technology. The threat of a Soviet-dominated space spurred the U.S. government to increase tenfold money spent on science, education and research.

*"The reality is that the things we expected did not come to pass, and the things that we did not fathom changed our lives in so many ways that we cannot even envision a life that's different at this point."*

— Roger Launius, senior curator at the Smithsonian Institution's National Air and Space Museum.

Spy and communications satellites also kept the world at relative peace, experts say.

When Sputnik was launched, the public thought a space future would consist of gigantic space stations and colonies on the moon and other planets. The fear was warfare in space raining down on Earth.

"The launch of Sputnik actually triggered heightened interest among the American people, not only in space but in science, mathematics and education," said White House science adviser John Marburger. "It also opened up people's eyes to the possibility that space could actually be used for something."



NASA/GODDARD SPACE FLIGHT CENTER, NASA

The Explorer XVII satellite measured the density, composition, pressure and temperature of Earth's atmosphere after its launch from Cape Canaveral on April 3, 1963.

### America enters the space age

- Sputnik's launch brought a renewed sense of urgency to the American efforts already under way. Since 1955, the U.S. had been working to launch a man-made object as part of the U.S. Navy-run Vanguard project. After Sputnik, Wernher von Braun and his team also began work on the Explorer project.

- On Jan. 31, 1958, the United States successfully launched Explorer 1. The spacecraft carried a small scientific payload that eventually discovered the magnetic radiation belts around the Earth. Vanguard 1 became the second American satellite about six weeks later.

- After Sputnik, it became clear that America needed a civilian space agency to oversee its space exploration efforts. In July 1958, Congress passed the Space Act, which created NASA as of October 1, 1958. NASA quickly got to work, sending Pioneer probes outside Earth orbit, launching early communications and weather satellites, and setting up Project Mercury, the nation's first human spaceflight program.

— NASA

# Geminid meteor shower visible in December



Meteor showers occur when Earth passes through a stream of debris shed by a comet. Particles that make up this debris stream typically range in size from sand grains to small pebbles. As they enter Earth's upper atmosphere at more than 100,000 miles per hour, they vaporize 50 miles above ground. When they vaporize, they produce the brief slivers of light streaking across the sky that we call a meteor or "shooting star."

Earth passes through an unusual particle stream every year about Dec. 14, producing what is known as the Geminid meteor shower. Prior to the mid-1800s there was no Geminid meteor shower. The first Geminid shower appeared suddenly in 1862, surprising onlookers who observed dozens of meteors streaking away from the constellation Gemini (thus giving the meteor shower its name).

This year the actual peak of the Geminids is



JEFF BERKES, COURTESY OF NASA

**The Geminid meteor shower is the most intense meteor shower of the year. It lasts for several days, is rich in fireballs and can be seen from almost any point on Earth.**

Friday, Dec. 14, at 10 a.m. MST, so the nights before (Thursday the 13th) and that Friday night should be good for meteor watchers in Utah. An observer away from city lights might see as many as 120 meteors per hour.

The best time to observe the shower is from about midnight to the beginning of morning twilight (when the night sky above Utah is facing directly into the debris stream). If you cannot observe during those hours, some meteors will still be visible earlier in the evening.

The most important factor in successfully observing a meteor shower is to be away from city lights. No equipment is needed to observe; meteor showers are best seen with the wide-angle view of our unaided eyes. However, cold-weather clothing, good company, a supply of hot cocoa and a reclining lawn chair will help make the observing session more enjoyable.

— clarkplanetarium.org



## BE A MARTIAN!

Mars needs YOU! In the future, Mars will need all kinds of explorers, farmers, surveyors, teachers . . . but most of all YOU! Join us on the Journey to Mars as we explore with robots and send humans there one day. Learn more at [mars.nasa.gov](http://mars.nasa.gov)



**MARS EXPLORERS WANTED**

NASA

## Word search

COSMOS	MOON	SPUTNIK
EARTH	NASA	STARS
GALAXIES	NEBULA	SUN
GEMINID	PLANETS	UNIVERSE
METEOR	SATELLITE	
MILKY WAY	SPACE AGE	

G	S	J	R	U	O	N	O	E	G	X	Z	D	G	S
E	Z	P	U	O	E	V	G	B	F	K	F	M	A	S
M	L	K	U	B	E	A	G	F	Y	A	I	T	Y	U
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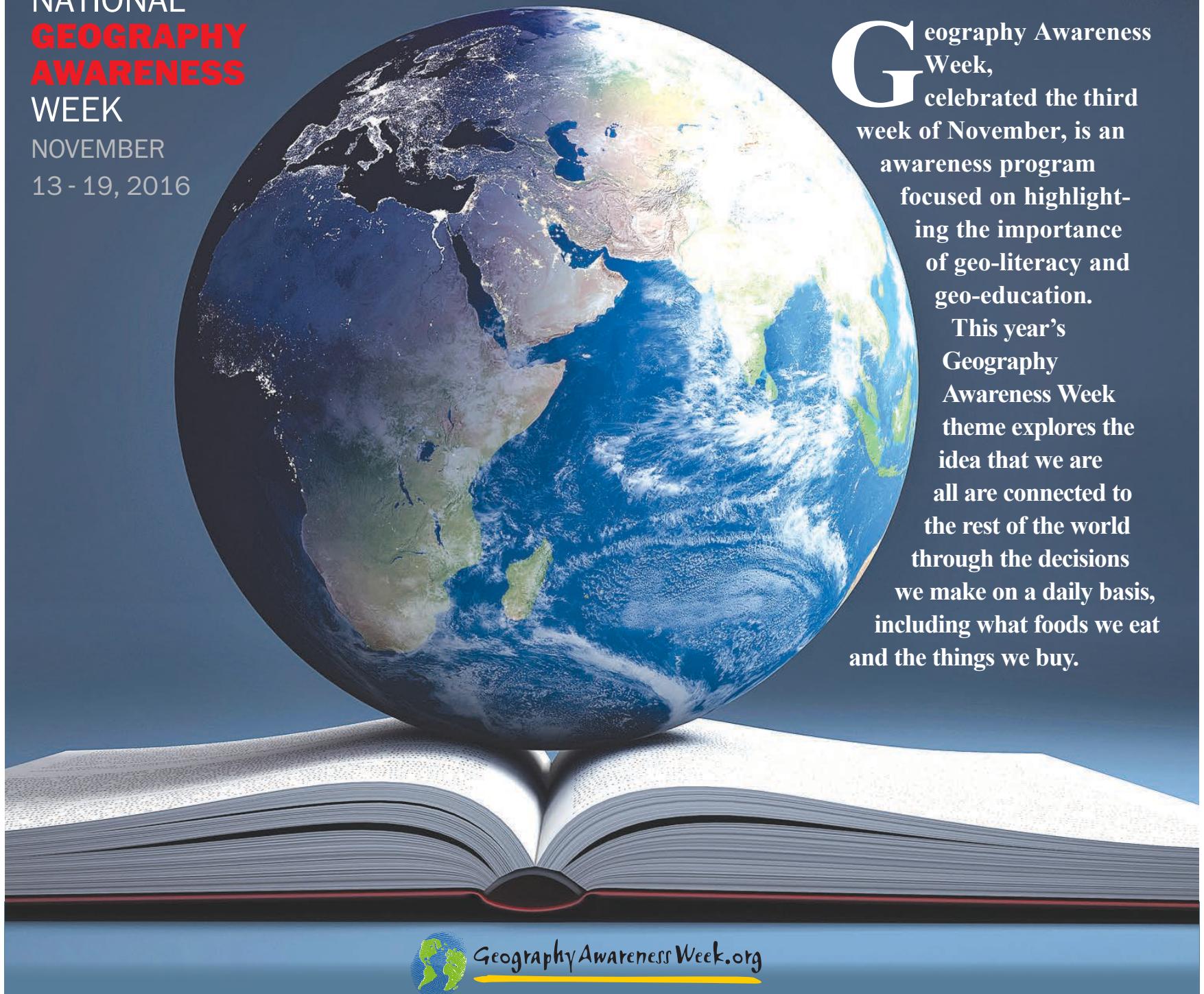
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ESTS(9,3,E), SATELLITE(15,1,SW), SPACE AGE(2,8,NE), SPUTNIK(2,1,SE), STARS(9,1,NE),  
MILKY WAY(14,10,N), MOON(3,8,E), NASA(10,8,SE), NEBULA(7,1,SW), PLAN-  
ETES(9,6,WW), COSMOS(6,9,WW), EARTH(11,10,N), GALAXIES(10,11,WW), GEMINID(1,1,S), METE-  
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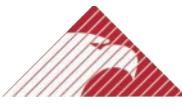
# Declare Your Interdependence

NATIONAL  
**GEOGRAPHY  
AWARENESS**  
WEEK  
NOVEMBER  
13 - 19, 2016

**G**eography Awareness Week, celebrated the third week of November, is an awareness program focused on highlighting the importance of geo-literacy and geo-education.

This year's Geography Awareness Week theme explores the idea that we are all connected to the rest of the world through the decisions we make on a daily basis, including what foods we eat and the things we buy.





**MOUNTAIN AMERICA**  
CREDIT UNION



## Tips for the first-time car buyer

Buying a car for the first time is a major life milestone, so you need to be well-prepared before you make your purchase. Part of that preparation involves knowing what to look for.

Establish parameters for your budget. Whether you are paying on your own or with the help of a parent, there are a number of after-purchase expenses that need to be accounted for in advance, such as insurance, gas and maintenance. Estimating your expenses will help you more accurately gauge what you can afford.

If an upfront cash payment for the total value is possible, it will simplify the entire process. But for the average teenager, that's not a realistic proposition, so financing is generally the most logical alternative. If you are under 18 years old, you are required to include a co-signer, an adult with established credit, income and employment histories.

The general rule of thumb is to spend no more than 20 percent of your monthly income on car payments, whether the vehicle is used or new. Making a down payment of at least 20 percent of the car's total value is also recommended. If more can be spent upfront, that's only going to reduce the amount owed each month and shorten the terms of the loan.



Welcome to  
**Mission:Explore**

# FOOD

## INTERDEPENDENCE

SHUTTERSTOCK.COM

You need food. Your life depends on it. Eat the right amount of good food and your body and mind will allow you to do some incredible things. Eat the wrong amount of not-so-good food and you'll end up being ill.

To survive, you don't just depend on the ability to eat food; you depend on all the animals, plants, people, places and systems that grow, harvest, transport, trade and sell food as well.

Your relationship with food goes way beyond shopping, cooking and eating it.

### Being interdependent

As well as depending on plants, animals, people and places to grow, harvest and cook your food, many places, people, animals and plants depend on you, too. Without them you would not have the same meal and maybe not have one at all. Without you they may not be planted, reared or maintained, and so they may not exist or be the same either. This relationship of depending on each other is called interdependence.



### Being connected

Everything you put in your mouth and poop back out again is connected to other places.

These connections are not just swapping money for food, but your choices change how those in the "food chain" are treated. Sometimes these connections are easy to see, like a waiter smiling when you give a tip at the end of a meal. Other connections can be much harder to see, like if the person who has packaged your food has been paid fairly. Costs that go beyond the number of dollars that you pay for a product are called hidden costs and can include how people and animals are treated, water and energy consumption, soil exhaustion and waste.

### Good food

Knowing that you are dependent on others and that others are dependent on you is a powerful thing. It means that you can choose to buy food from farmers and companies that treat animals, people and the land well and support their good work. In return for your support, they'll then be able to make even better food for you.

Good food isn't just food that's good for you, but food that is good for those who produce it, too.

### Activity

## Bee friendly

Honeybees live in large "families" and are found all over the world. The honeybee is the only social insect whose colony can survive many years. That is because they huddle together and eat honey to keep themselves alive during the winter months.

Honeybees pollinate more than 100 crops in the U.S. They produce honey from pollen and nectar of the plants they pollinate. They store the honey in honeycombs in their hives, which they use to feed their young in colder months.

Their wings flap 11,000 times per minute, which is why it sounds like they are "buzzing."

Bumblebees are considered to be beneficial insects because they also pollinate crops and plants. They are very social bees and live in large "families." Unlike honeybees, bumblebees can sting more than once because their stingers are smooth and do not get caught in the skin when they fly away.

SOURCE: [www.pestworldforkids.org](http://www.pestworldforkids.org)



*Take these steps to help your local bees.*

#### MAKE FOOD

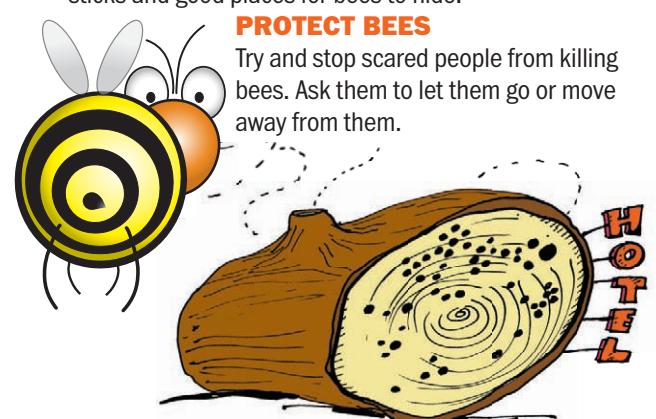
Plant nectar-rich wildflowers for bees. When they eat the sweet treat they'll pick up and move the pollen plants need to reproduce.

#### MAKE HABITATS

Create a "bee hotel" by drilling holes into a piece of wood. Leave parts of the garden untidy with long grass, piles of sticks and good places for bees to hide.

#### PROTECT BEES

Try and stop scared people from killing bees. Ask them to let them go or move away from them.



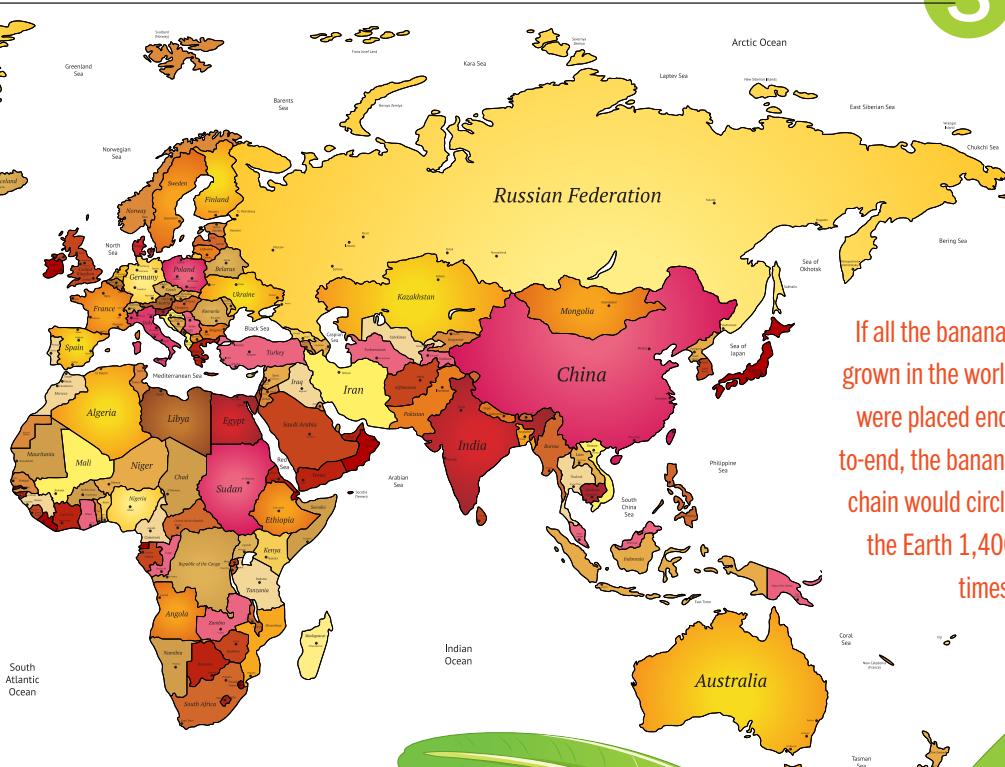


## Top 10 banana producing nations

(in million tons)

INDIA	29.82
CHINA	11.64
UGANDA	11.23
PHILIPPINES	9.45
ECUADOR	8.24
BRAZIL	7.65
INDONESIA	6.34
COLOMBIA	5.27
CAMEROON	4.94
TANZANIA	4.08

SOURCE: [worldknowing.com](http://worldknowing.com)



# Go bananas

**C**ontrary to popular belief, bananas do not grow on trees. They actually grow on plants that are giant herbs! And the clusters of bananas grow pointing upward, not downward.

Although bananas in U.S. supermarkets come from Latin America, their historic journey takes them all the way back to the Malaysian jungles of Southeast Asia. Can you find Southeast Asia on a map? People believe bananas originated in Malaysia because so many varieties of bananas are found there.

Bananas were likely the first fruit farmed by humans. Their history is recorded all the way back to Alexander the Great's conquest of India, where he first discovered bananas in 327 B.C.

When Spanish explorers came to the New World, so did the banana. According to Spanish history, in 1516, Friar Tomas de Berlanga brought the first banana rootstocks and planted them in the rich fertile soil of the Caribbean.

In the 1800s, sailors brought a few stems of bananas home with them after traveling in the Caribbean. Bananas were officially introduced to Americans at the 1876 Philadelphia Centennial Exhibition. Each banana was wrapped in foil and sold for 10 cents.

SOURCE: [www.dole.com](http://www.dole.com)



Bananas are the most popular fruit in the United States. Americans eat an average of 28 pounds of bananas per person per year. That equals about 112 bananas per person per year.



## GLOBE TROTTING

Banana farms are located all over. They're grown in tropical areas of the world where the weather is sunny and hot. Bananas entering the United States come from Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Panama, Mexico and Nicaragua.

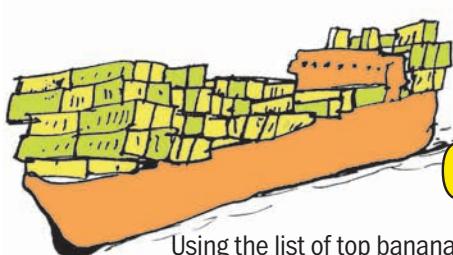
- Locate these countries and the other top 10 producing nations on the map above. Draw a line from each country to your location.

- What means of transportation would be used to get bananas across the world to reach your mouth?

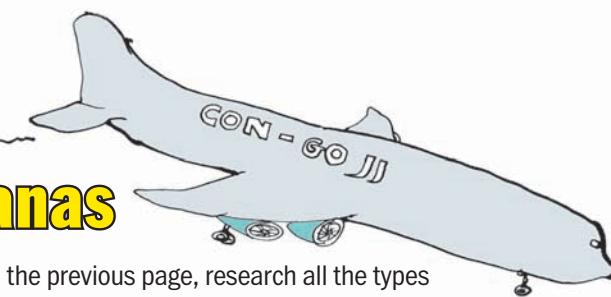
- Research how many miles it is from each of these countries to the United States.



[GeographyAwarenessWeek.org](http://GeographyAwarenessWeek.org)



## Go bananas



Using the list of top banana growing nations on the previous page, research all the types of transportation used to get bananas across the world to reach your mouth.

Departure location	Arrival location	Type of transport	Miles traveled
INDIA			
CHINA			
UGANDA			
PHILIPPINES			
ECUADOR			
BRAZIL			
INDONESIA			
COLOMBIA			
CAMEROON			
TANZANIA			

## Buy direct

Do you know what food is grown locally? Plan a meal with ingredients from your local farmer's market. Write your shopping list here:

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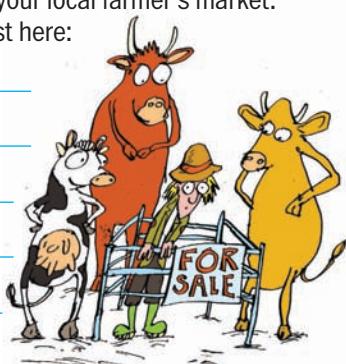
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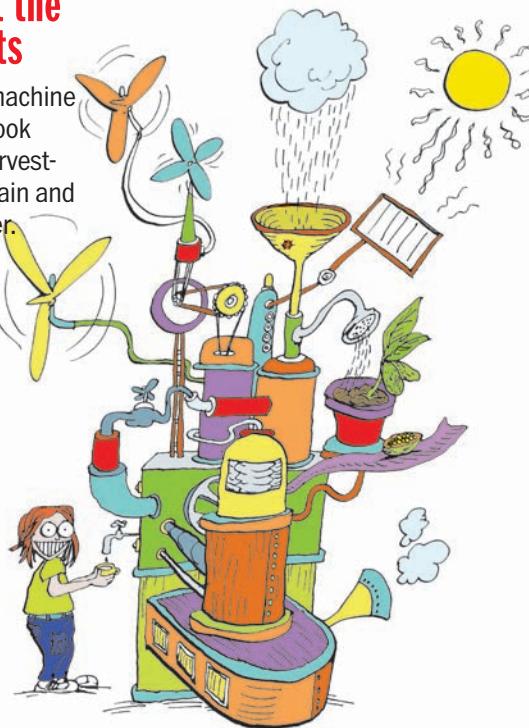


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## Harvest the elements

- Design a machine that can cook food by harvesting wind, rain and solar power.
- 
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- 
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- 
- 
- 



## DID YOU KNOW?

1.4 BILLION people live in extreme poverty, surviving on the equivalent of less than \$1.25 each day.



## NEWSPAPER ACTIVITIES

### Live below the line

Shop the grocery ads in the Deseret News. Plan meals for 5 days living on a budget of just \$1.25. What would you be able to eat on this budget?

Connect 1•2•3 is a FREE monthly educational section available only to schools through the Deseret News. Published by the Deseret News Newspapers in Education

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## CHECK IT OUT



The City Library  
THE SALT LAKE CITY PUBLIC LIBRARY SYSTEM

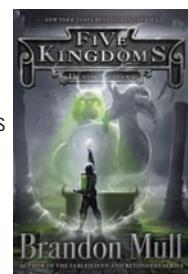
This month the librarians at Salt Lake City Public Library have chosen books written by local authors.

"The Scourge," by Jennifer A. Nielsen.

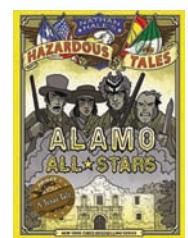
A lethal plague sweeps through the land. Ani is shocked when she tests positive and she is sent to a quarantine colony. Ani quickly discovers that she's been caught in a devious plot.



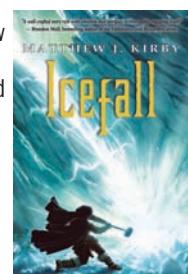
"Death Weavers (Book 4 of the Five Kingdoms series)," by Brandon Mull. Since arriving in the Outskirts, Cole and his friends have fought monsters, challenged knights, and battled rampaging robots. But none of that has prepared them for Necronum.



"Alamo All-Stars (Nathan Hale's Hazardous Tales #6)," by Nathan Hale. Hale relays the facts, politics, military actions, and prominent personalities that defined the Texas Revolution in factual yet humorous scenes that will capture the attention of reluctant readers and fans of history alike.



"Icefall," by Matthew Kirby. Trapped in a hidden fortress tucked between towering mountains and a frozen sea, Solveig – along with her siblings, and an army of restless warriors wait. But as winter stretches on it's clear that a traitor lurks in their midst.



"Dragon Slippers," by Jessica Day George. Creel makes a bargain with a dragon for a seemingly simple pair of blue slippers. But these aren't just ordinary shoes. They can be used to save Creel's kingdom ... or destroy it.

