ROCKET SCIENTISTS

How many words can you make using the letters in the words ROCKET SCIENCE?

The challenges of a new school year often include issues of how to make friends and how to handle those who are not so friendly. Check out our Peace on the Playground and Talk about Teasing pages in this issue — there’s great advice on difficult situations, navigating your way around them and feeling good about yourself.

We celebrate Constitution Day this year on September 17. Challenge yourself with the mystery questions to learn some fascinating facts about the Constitution and the Founding Fathers. Fidget Spinners are all the craze this year. We wonder “What is your opinion?” We provide two points of view. You decide whether or not they are a distraction.

Not all pirates were men. Have some fun with the puzzles on the page on Women Pirates! Time to get your pencils ready, put on your puzzle brain, welcome the new school term and this September edition of Connect123.

My name: ____________________________

Rockets Big and Small

Whether it’s a small model rocket or a giant rocket to Mars, the science behind how rockets work is the same.

A rocket needs a propellant — fuel to push it up into the air. NASA rockets use fuels such as liquid hydrogen. But to launch a soda bottle rocket, air pressure does the trick!

Standards link: Physical science: Students know when force is applied to an object, it will speed up or change direction.

FROM THE DESK OF WOODWORD

Dear Readers,

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THIS MONTH 1: ROCKET SCIENTIST 2: COYOTES AND PIRATES 3: TEASING
How to Make a Bottle Rocket

STUFF YOU’LL NEED:

- A clean, empty 2-liter soda bottle
- A cork or stopper that fits the bottle
- A bicycle pump
- A bucket
- Toothpick
- Inflation needle

1. Use the toothpick to make a small hole in the cork, just large enough for the inflation needle to fit through.

2. Fill about 1/3 of the bottle with water. Insert the cork firmly into the mouth of the bottle.

3. Insert the inflation needle through the cork. Place bottle in bucket facing away from you.

4. Start pumping air rapidly into the bottle. Countdown to lift off has begun!

5. The air wants to escape from the bottle and it pushes the water against the stopper. The rocket will take off when the stopper can no longer withstand the pressure in the bottle. The force of the water powers the rocket into the air.

Scientist’s Journal

QUESTION: Does adding more water affect the rocket?

HYPOTHESIS: Your thoughtful guess about what you think might happen.

OBSERVATION: Describe what happened when you added more water to your bottle rocket.

CONCLUSION: Was your hypothesis correct?
The government cannot control what is printed in newspapers, magazines, books, or broadcast on TV or radio or online. What might happen without a free press? Cross out the words a government might not want in these newspaper clippings.

Many religions are practiced in the United States. Here are the ten largest religions:

- Unitarian Universalist
- Native American Religion
- Wiccan/Pagan/Druid
- Islam
- Hinduism
- Christianity
- Judaism
- Spiritualist
- Buddhism
- Baha’i

Unscramble the letters to reveal which of those religions are the five largest in the U.S.

RTHNIASTCYI
SIMDAJU
MLISA
DHIDSUBM
DIHSUNMI

Standards link: Reading comprehension: Follow simple written directions.
Let freedom ring

People are urged to ring bells after reciting the Preamble. The bell-ringing is being led from Valley Forge, PA, where George Washington had a camp during the Revolutionary War.

Find the two bells that are the same.

Standards link: History: Students know the symbols and traditions of the U.S. that provide continuity and a sense of community.

Double Word Search

Find the words by looking up, down, backwards, forwards, sideways and diagonally.

RELIGION
FREEDOM
ORDAIN
POWELL
LAND
PRESS
CROWD
DEFENSE
CONTROL
FIVE
SPEAK
JOIN
PROVIDE
HOME

How can you prove that HEAT travels faster than COLD?

Circle every third letter. Then write the circled letters on these spaces to reveal the punchline to this riddle.

Use the code to solve this riddle:

Why didn’t the tree want to play checkers?

Because it was a chess-nut!

Find the two bells that are the same.

A BIG thank you to all our readers who participated in our Summer Reading Program. We appreciate all the time you dedicated to staying on track with your reading goals over the summer break. The Read Today team had so much fun getting to meet so many readers and their families. This year we had more readers than ever at the ballpark! We want to thank our partners who helped make the program a success this year: The Deseret News, KSL, Seagull Book, McDonalds, the Bees and the Governor’s Office. We also want to thank Mrs. Utah, Anne Forester, for helping us at our events this summer. We are excited about the new school year and the adventures it brings. We’re working on some exciting stuff and can’t wait to tell you about it. So keep reading, let your imagination wander and exercise that brain!

Happy Reading!

The Read Today Team

Answers

Why didn’t the two want to play checkers?

Because it was a chess-nut!

How can you prove that HEAT travels faster than COLD?

Because it is so easy to catch a cold.

Please send ideas, suggestions or information to: nie@deseretnews.com

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Coyotes live all over the United States, but most of them live in the Western states.

Coyotes are very much like dogs. The puppies play with each other and wrestle like puppies. But when they’re fully grown, coyotes can be a big problem for ranchers.

There was a terrible tussle, but eventually Coyote threw the fire to Wood, who swallowed it and would not give it up to the Fire Beings again.

Coyote knew how to get the fire out of Wood, though—by simply rubbing two dry sticks together! And this, it is said, is how the Karok people learned how to create fire.

There once was a time when humans did not have fire to keep them warm. The only beings in the world that knew how to make fire were the Fire Beings.

Coyote, being the cleverest and slyest of all the Karok, decided to spy on the Fire Beings and learn how to make fire.

The Fire Beings guarded the secret of fire very carefully. But when the Fire Beings’ watch changed, Coyote grabbed the fire and ran. One of the Fire Beings chased after Coyote, but as we all know, coyotes are very fast. The Fire Being grabbed only the tip of Coyote’s tail, burning the fur. That is why coyotes have black tips on their tails.

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Coyote plays a central role in Native American legends. Sometimes, he appears as a trickster — someone who plays jokes and tricks in order to get what he needs. Sometimes, he appears as a creator.

Read this Karok legend. Do you think the coyote character in the legend is a trickster, a creator or both?

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An old-fashioned lemonade stand makes cents in busy, modern times! Few people take the time to squeeze fresh lemonade. Follow our “recipe” for success and start a lemonade stand of your own!

**STEP 1: The Business Plan**
You will need to invest a little cash to get started. Visit or call a local store to find out what the things you need cost. Add up your costs to determine your price and profit. Here is what the math looks like:

**EXPENSES:**
- 12 lemons cost .................. $1.20
- 1 3/4 cups of sugar cost .......... .20
- 20 paper cups cost ................. .60
Total cost for 20 cups of lemonade: $2.00

**INCOME:**
- 20 cups of lemonade at 50¢ each ... $10.00

**PROFIT:**
(The money you make after covering your expenses) ............. $8.00

On a hot day, in the right spot, you might sell 100 cups of lemonade! How much money would you earn?

**STEP 2: Make a Big Sign**
Make a big, bold sign to attract people to your stand. If it is OK with your neighbors, put up several colorful signs to direct people to your stand.

**STEP 3: Punch Up Profits**
Offer your lemonade in cups made out of oranges. To make one, cut the top off of an orange and scoop out the insides with a spoon. Pour in the lemonade and serve with a straw. Give your lemonade-in-an-orange a snazzy name, like CITRUS TREAT, and charge more!

*Remember!* Add the cost of an orange and a straw to your expenses to determine the price of your “Citrus Treat.”

Standards Link: Math/number sense: Students solve problems by adding, subtracting and multiplying amounts of money.
Most pirates were men, but not all. At least two were women... disguised as men!

The Strange Tale of Mary Read

Mary Read’s father died when she was just a baby, and unable to find work, Mary’s mother could get help from her mother-in-law, but only if she had a son. So, she dressed Mary in boy’s clothing and raised her as a boy.

Mary got to run and do activities that girls in those days were not allowed to do. She grew up to be sturdy and strong.

To earn money, Mary continued to disguise herself as a young man and got work as a sailor. She went on many voyages. Eventually she worked on a ship for the West Indies.

In those days, Spanish ships loaded with from the New World sailed from the West Indies to Europe. Pirates attacked these ships to steal the gold, pearls, gems and silks.

Mary’s ship was attacked by a pirate ship under the of Captain “Calico Jack” Rackham. Captured, she joined Rackham’s pirates.

No one on the ship suspected Mary Read was a woman, but among the pirate crew there was another woman in man’s clothing. Her name was Anne Bonny.

Mary and Anne eventually found out that they were both women and they became good friends.

In October 1720, Rackham’s ship was captured and all of the pirates were sent to prison. Mary and Anne both died while in prison.
Coyote code

Discover some amazing coyote facts using the code at left.

A coyote litter can have \[ \text{3 to 12} \] pups.

Their average life span in the wild is \[ \text{10 to 15} \] years.

Coyotes can run over \[ \text{40 miles per hour} \].

Coyotes can make \[ \text{11 different sounds} \].

They can jump over \[ \text{13 feet} \]. That’s higher than a basketball hoop, which is \[ \text{10 feet} \] above the ground.

Standards Link: Life Science: Students know that living organisms have distinct structures and body systems that serve specific functions in growth, survival and reproduction.

Number these pictures in order based on what you read in the Karok legend.

The crew of the pirate ship The Scurvy Albatross came up with a unique flag. It’s the only one here that has no exact duplicate. Circle it.

Pirate pairs

Match each pirate word with its definition.

1 - f
2 - g
3 - a
4 - e
5 - b
6 - c
7 - d

Pirate pairs:

1. Coyote code
2. Coyote stretch #1
3. Coyote stretch #2
4. Coyote stretch #3
5. Coyote stretch #4

Coyote stretch #1
Imitate the pose of this coyote. While on all fours, arch your back and stretch. Can you raise your arm?

Coyote stretch #2
Sit on your haunches and howl. Feel your neck stretch? Raise your shoulders up and down as you howl.

Coyote stretch #3
Roll on your back and waggle your arms and legs in the air as if someone’s rubbing your tummy!

Coyote stretch #4
Coyotes are amazing jumpers! Can you balance on all fours and jump up and down? It isn’t easy, is it?

Standards Link: Physical education: Use a variety of basic and advanced movement forms.

Welcome back students!

When I interviewed Governor Herbert recently, he told me that he hoped Utah could improve our student achievement. And the key to doing that, he said, is READING! At Read Today and KSL, we spent the summer talking about the importance of reading at home and planning events to make it fun. And now we want to keep that momentum.

Reading as a family is the most important thing you can do to ensure success in school. So try to find time in your busy schedules to make that happen—in the car, while Mom is making dinner, whenever you can squeeze it in.

Reading is the fundamental skill that boosts all learning. And we’re going to be looking for schools and communities that do great things around family reading, so we can spotlight them on the news.

Make it a great year!

Deanie Wimmer

Please send ideas, suggestions or information to: nie@deseretnews.com

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Talk about teasing

This page is to start you talking! Read each section and then discuss the questions.

Why do kids tease? Some teasing starts out to be fun, but then it goes too far and turns negative and hurtful. Some kids tease because they feel bad about themselves, or they are sad or scared. Some kids tease to go along with the crowd. They think teasing other children will make them look cool.

Lydia is teasing Julie about her messy hair. Circle what Julie is thinking. Why did you choose the thought you selected?

It's okay. Lydia's only kidding.
I'm going to tease her back the next time she has a bad hair day!
This really hurts my feelings.

Funny is not the same for everyone. One person may think getting teased about their hair is funny. Another person might find getting teased about their hair painful.

When and why have you teased someone in the past?

Standards link: Health: Students know strategies for solving interpersonal conflicts without harming self or others.
Bullying makes playgrounds, schools and even neighborhoods feel unsafe for some children. Connect123 looks at ways children can help themselves and others be safe on the playground.

**Find the bully**

You can’t tell a bully by his or her looks. You can tell who is a bully by the way he or she acts. Here are some of the things a bully might do:

- Hit, kick or push to hurt people.
- Call others bad names, tease or scare people.
- Say mean things about someone.
- Grab someone else’s stuff.
- Leave a kid out of a game on purpose.
- Threaten another kid.

What else have you seen bullies do?

Standards link: Health: Make decisions about feelings and safety issues that support mental and emotional health.

**Bully clues:** The bully is not wearing a hat. The bully isn’t wearing a striped shirt. The bully is not wearing glasses. Which kid is the bully?

Standards link: Reading comprehension: Follow written directions.

**Get through the bully maze**

Many, many children are bullied everyday. These children can feel lost in a maze made up of bad feelings — sad, stressed, embarrassed, nervous, depressed, helpless. These feelings can make it hard to do well in school and to make friends. Experts say that there is something that can help a child who has been bullied. To find out what that is, complete the maze. The letters along the correct path of the maze spell the answer!

Standards link: Health: Identify ways to seek assistance if concerned, threatened or abused.

**Action plan**

Bullying hurts. It hurts a lot. Bullying can make kids feel sick. It can make them not want to go to school. And, no one likes to watch other kids getting picked on. No one likes a bully.

Stan is the shortest boy in the fourth grade. Greg, the tallest boy, picks on him every day. Abby and Eric are tired of watching this. What could Stan do or say? What could Eric do or say? What could Abby do or say? What does everyone want Greg to do?

**Anti-bully armor**

When you feel good about yourself, you’re less likely to be hurt by what others say. Take a little time to build up your anti-bully armor. What is anti-bully armor? Feeling good about yourself! Look through the newspaper for words and pictures that show something that is good about you. Glue these onto a sheet of paper titled: What’s good about ME! Post it where you can see it every day.
**Tips to handle teasing:**

1. Ignore the teaser or walk away and go somewhere else to play. Some people tease to get attention and if they don’t get it, they will stop.

2. Tell the person teasing you that you would like them to stop. Say things like, “When you say that, it hurts my feelings, and I want you to stop,” or, “Please stop teasing me now.”

3. Make a joke or say something bizarre like, “Hey! There is spaghetti falling off the tree!”

4. If none of the above works, seek help from a trusted teacher, parent or other adult.

**What are some good ways to deal with being teased?**

Hey, look! Is that _________ on that _________?

Standards link: Health: Understand how to respond to the behavior of others and how your behavior may evoke responses in others.

**How to Deal with Bullies**

- **Pretend not to hear.** Instead listen to your own head and tell yourself, “That’s their problem, not mine” and “I’m OK just the way I am.”

- **Find a safe person to talk to.** Make a list of people you could talk to about being bullied or about what you have seen others being bullied.

- **Be a buddy.** Kids who are alone are more likely to be bullied. Make a plan to walk with a friend wherever you think you might meet a bully.

- **Don’t bully back.** Getting angry and back sometimes is just what the bully wants. It’s dangerous too, because someone could get hurt.

Standards link: Health: Develop protective factors that help foster resiliency.

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**Double Word Search**

Find the words by looking up, down, backwards, forwards, sideways and diagonally.

```
PLAYGROUND
PEACE
BULLIES
HURTS
NERVOUS
THREATEN
HELP
BUILD
FRIEND
TEASE
ARMOR
GAME
FEELINGS
PATH
MEAN
```

Help King Kooky!
King Kooky has lost his 3 keys, his 2 kittens and his kite. Can you help him find all 6 things? He might give you a kiss!

My letters
K is for King
k is for king
Learning buddy: Read the two phrases aloud. Have your child read with you. Trace the uppercase and lowercase letter K. Say the letter as you trace it.

How many pictures can you find on this page that start with the sound that the letter K makes in the word king?

My numbers
How many \( \_ \) ?
How many \( \_ \) ?
How many \( \_ \) ?

Old King Cole was a merry old soul,
And a merry old soul was he.
He called for his pipe, and he called for his bowl,
And he called for his fiddlers three.

My rhyme time

Learning buddies: Read the two phrases aloud. Have your child read with you. Trace the uppercase and lowercase letter K. Say the letter as you trace it.

How many pictures can you find on this page that start with the sound that the letter K makes in the word King?

SCRAMBLED SCHOOL SUPPLIES

Mrs. Kelsey’s students were each given this supply list.
- 1 box of crayons
- 2 notebooks
- 2 glue sticks
- 3 pencils
- 1 eraser
- 1 ruler
- 1 red pen
- 1 blue pen

Some of these students have extra items, but each student is missing one or more of the items. List the missing items.

**Connor:**

**Jayden:**

**Hannah:**

**Olivia:**

**Logan:**

**Sophia:**

Learning buddy sign here
I have completed _______ activities with my Learning Buddy.

Learning buddy’s signature Date

**Answers**

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