

MathEdge SHINES



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October 2015

NEWS

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MathEdge Openhouse!

Come and Learn About Our School Year Programs!

Math & English Core: Get Prepared for Common Core! (GK- 8) (Year Round) This is a guided program created to help students achieve day-to-day success and ace their common core tests in school. Each student can pace themselves under expert guidance and is encouraged to advance to their full potential.

Middle School Math Advancement / Placement Prep: (G5-8) Current 5th and 6th grade Diagnostic for advancement tests will be covered in Common Core. This is the only chance to advance into Algebra + Geometry advanced Track (regularly 9th grade). Let us help you advance.

MathEdge+: Sharpen Problem Solving Skills and Excel in Math Competitions (GK-12, Sept-Jun) (for advanced students) This program teaches valuable problem solving skills and train students for math contests.

Writing+: Polish Your Writing Skills (GK-12, Sept-Jun) This program aims to educate students on perfecting their writing techniques.

FREE Common Core Test offered, must sign up ahead of time at mathedge.org

10/13–10/15 (Tue, Wed, Thu) 6 - 7PM

At Cupertino Location: 7250 Bark Ln, San Jose, CA 95129

QUESTIONS: call (408) 725-2680 or email at mathedge@gmail.com

THIS MONTH:

10/13–10/15 Mathedge Open House



NEW JAVA+ program

Dream of starting a company; landing a high paying job working for Google, Apple, or Facebook as an engineer when growing up? Want to be selected on your school's robotic team? Desired to win a Robotic competition? Want to get a 5 in the high school Computer Science AP test?

You can achieve that by getting an early understanding of Computer Science and get exposure to Computer Programming Languages such as Java, Python, C++, etc. at a young age. Start early and get an early edge in life.

MathEdge was started by a group of professionally trained engineers. We understand the importance of STEM (Science + Technology+ Engineering + Math) education in order to be competitive and successful in the 21st century. We have designed comprehensive programs. We have different levels of curriculum to accommodate different levels of skills and age. We make the concepts fun and easy for students of all ages to understand.

We teach children Computer Programming skills while having fun. We introduce them to the concepts of robotics and electronics. Students will get a hands-on experience of programming. They will learn to program games that they are familiar with. Our computer programming course for G6-12 is only \$30/hr, 3 hours a week for 10 weeks.



The King of Cobras

By: Rakesh Nori (W3)

The King Cobra is an interesting and fearsome snake that has many unique abilities to thrive in its habitat. The King Cobra averages three to four meters and can grow up to six meters. The snake weighs around six kilograms and is quite fast despite its size. The King Cobra has fascinating abilities like agility, aggressiveness, and intelligence unlike most snakes, that make it a dangerous predator.

The King Cobra has an interesting way to locate its prey. The King Cobra cannot smell using its nose. So, instead of using a nose, it uses its mouth to detect prey. "A King Cobra receives chemical information from its tongue, which picks up scent particles and transfers them to a special sensory receptor located in the roof of its mouth" (Wikipedia, 2). The King Cobra also uses its keen eyesight to locate prey. It can detect moving prey, almost a hundred meters away.

The King Cobra is mostly harmless, but if you try to annoy or provoke it, the cobra will not hesitate to attack you! If continuously annoyed, the snake can become highly aggressive. When concerned, "it shows its anterior portion and hisses loudly" (Wikipedia, 3). Not often, if the snake is irritated to a certain extent, it can potentially sting the intruder. Unlike trespassers, the King Cobra behaves differently when facing a predator. If encountered by a predator, the reptile generally tries to flee. But if unable to do so, the snake will challenge the predator, using its venom to defend itself.

The King Cobra venom is harmful and can even cause death. Although, some King Cobra stings are "blank" and do not contain venom. The venom consists of neurotoxins, but it also has some other compounds. "Like most snakes, toxic constituents inside the venom are mainly proteins and polypeptides" (Wikipedia, 4). These toxins have the potency to cause paralysis. The predator is capable of delivering a fatal bite, and the victim may receive a large quantity of venom. The dose can be "anywhere from 200 to 500 mg or even up to 7ml" (Wikipedia, 5). During a bite, venom goes through the snake's fangs into the wound, "and the toxins begin to attack the victim's central nervous system." (Wikipedia, 5). Let's just say that you do not want to be stung by this snake.

The behavior, defense, and venom of the King Cobra are three of the many traits that make it the "King of Cobras" I hope you learned more about the King Cobra and not to mess with snakes, especially King Cobras. Although the snake is small compared to most predators, it is one of the most ferocious predators on Earth.



All About Dinosaurs

By: Nathan Ye (W1)

I am Nathan, today I will talk about 5 different dinosaurs that are not extinct.

First, I will talk about Troodonts, the smartest. Their weapons are sickle-shaped claws and saw-like teeth. They had the largest brain. Troodonts' length are about six feet. Troodonts feed on dinosaurs, lizards, reptiles, and insects. Troodonts lived in Wyoming, Montana, and Alberta in Canada.



Next, I will talk about Ornithomimuses, the fastest. Their weapons are scissor-like beaks and talons. Their length is 11.5 feet. They can run up to 40 miles per hour. They are the ostrichmimids. Ornithomimuses feed on small reptiles, mammals, fruit, eggs, seeds, and leaves. Ornithomimuses live in North America, Mongolia, and eastern U.S.A.



In addition, I will talk about stegosauruses, the dumbest. Their length is 30 feet. Their weapon is a tail with 2 spikes on the tail. Their brain is one inch long. Stegosauruses feed on soft vegetation. They live in the U.S. Midwest.



Also, I will talk about Argentinasauruses, the largest. They are 131 feet. They are also 2,000 pounds. Their food source are plants. They live in Argentina.



Last, I will talk about Compsognathus, the smallest. They are 4.5 feet. They eat small animals. They live in France, Europe and Germany.



The Universe

By: Siddharth Belwal (W2)

Far, far away
Where eyes cannot see,
Stars twinkle like diamonds.
But hidden deep,
Danger there is.
Explosions, supernovas, collisions,
And black holds BOOM!
The stars say "Hello" from Earth
But what is really
happening out there?
A Universal mystery



Is it dark magic?
No one knows.
Impossible to see,
Even with the best technology.
Quasars, X-rays, pandemonium,
Death.
But is that true?
We're in a deadly battlefield,
Hosting a grand graveyard
And a nursery
I just hope the force is with us
During these epic star wars

School shouldn't shorten hours with no recess

By: Aimee Wang (W2)

Did you know that 60% of children generally perform better in class if they have recess? Many parents argue against punishing children by taking away their recess. Now, Recess is something that helps lessen stress and calm the mind. Recently, the idea of shortening class time but eliminating recess has come up. Due to restlessness, laziness, and a lower performance rate, this is a bad idea.

First, if children didn't have recess, they would be restless. It would make them unruly and unhappy. It would also make it harder for teachers to teach and for the students to learn. It also might cause children to dislike school if there was no recess. Their parents probably wouldn't let them transfer, so they would have to stay at a school they don't even like. Recess would help because it would let the kids have a chance to run. They could stretch their legs and talk loudly without distracting anybody during class.

Also, without recess, students wouldn't be able to exercise regularly unless they play a sport, but not everybody does. If they get used to not running around all the time, they wouldn't want to ever exercise. They would become lazy and overweight. America is facing an obesity epidemic, and we don't need to the next generation to worsen it. With recess, the children would be getting exercise, and they would be used to running around, and they would do it more often. This would result in them staying in shape and being more fit.

Finally, Dr. Olga Tarrett, a professor who works at Georgia State University, conducted a study at a school without recess. She got permission to let the students have recess one day a week. She found that the students performed better and were more relaxed when they had recess. If the children were more relaxed, there would be less tension and it would be easier to learn. If they had better performances, they would do better.

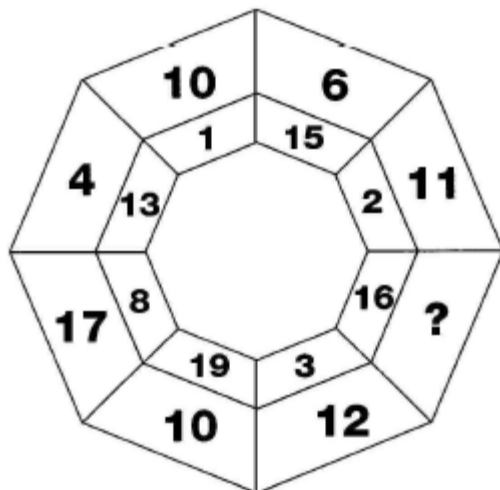
Students would be restless if they didn't have recess and it would be hard for the teacher to teach. They also wouldn't be able to exercise, and some kids don't do outside sports, which would give them very little time to exercise. This would make children lazy. Recess also lessens stress for children which improves performance rates. If school doesn't stay the way it is, the likelihood of children being unhappy, lazy, and stressed will increase. Is that what we want for our future generations?



Puzzle of the Month

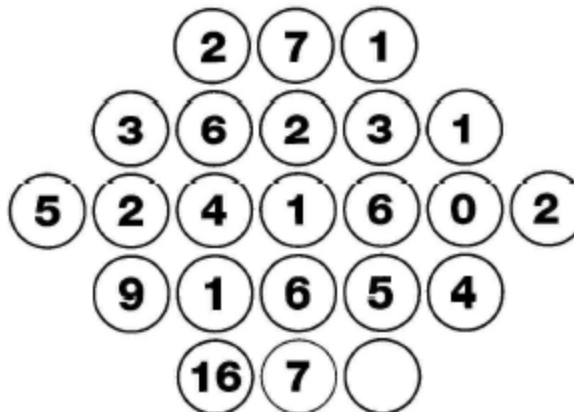
Puzzle #1

What number is missing?



Puzzle #2

What number goes in the empty circle?



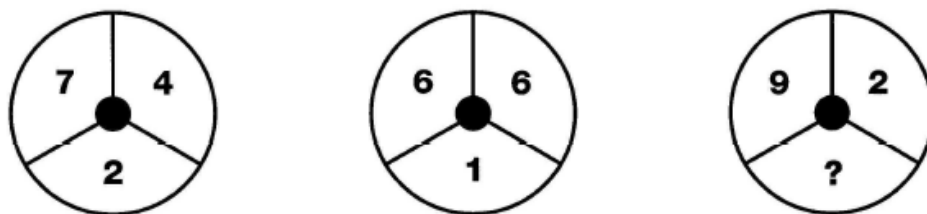
Puzzle #3

What time should go in the empty watch?



Puzzle #4

What number is missing?



Contact Us:

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