



Interesting Science Facts:

- Every year, there are approximately one million earthquakes.
- If you could drive your car straight up into the sky, you would arrive in space in about an hour.
- An astronaut cannot burp in space. Due to the absence of gravity, the gas in their stomach cannot separate from the liquids.
- Each person will shed almost 20 kg of skin in their lifetime.
- The Great Barrier Reef is the largest living structure on earth. It is approximately 200 kilometres long.
- One of the largest meteorite craters in the world is in Canada.
- The International Space Station is the size of a football field.
- The human body contains over 1000 different enzymes.
- Your heart will pump enough blood to fill 100 swimming pools during your lifetime.
- There are over 100 billions stars in the Milky Way Galaxy.
- The clouds surrounding Venus are made of concentrated sulfuric acid.

Important Information

I have received some interesting information for a professional development opportunity in the area of science. This looks like a great opportunity. If you are interested, please contact Praxis @ (403) 527-5365 for more information.

Loon Lake Science Camp For Teachers

Science World invites elementary (Grades K - 7) teachers to five days of summer science camp in the Malcolm Knapp Research Forest near Maple Ridge, BC.

Add practicing scientists, scrumptious food and a beautiful wilderness setting and you have the perfect recipe for igniting excitement about science.

This program is designed to encourage and inspire "science-shy" elementary teachers. Escape from the classroom into the woods where you will learn firsthand from scientists what it's like to be bugged by a question and what steps you can take to become unbugged. In play shops with master teachers, you will develop ways to put questioning and answering into classroom practice.

A typical week will find you investigating the social lives of bees, building a submarine, rock hounding, and stargazing. You'll take back ideas for experiments and demonstrations that you can do in your own classroom.

Recreational Science welcomes teachers from around



Learn more about Science at a summer camp for teachers.

BC. and across Canada, with transportation costs supported by NSERC Promo Science and the Michael Smith Endowment Fund. Registration cost is \$300 + GST (covers travel, food, accommodation, and teaching resources). The Loon Lake Science Camp for teachers is offered August 11-15 and August 18-22. You choose which camp you would like to attend! Space is limited, apply now!

Planning for 2003/2004 School Year

Bookings

What am I talking about! This school year has not even finished yet. I am sure that over the summer there will be many of you putting together your plans for next year. If and when you know that you might need to book out a Learning Kit or require any other help, do not hesitate to contact me. I greatly advise prebooking the Learning Kits as far in advance as possible.

Unfortunately, some people could not use the kits this year because they were booked already. I want everyone to have a chance to use the Learning Kits. They are a great opportunity to bring hands on science to the classroom.

I will be in the office this summer, so please call me at (403) 527-5365. I would be

pleased to discuss how I may be of assistance to you.

I look forward to talking to you all, but do take a rest before diving back into the planning and work.

Enjoy your summer vacation, you worked hard all year and deserve some time for yourself and your family!

Confused Loop



Is the paper as confused as I am?

Materials

piece of paper
scissors
ruler
pencil
straw
tape
flat work surface

Procedure

1. Gather all of the materials and move to a flat work surface such as a table to work on.
2. Using the ruler, measure a strip on the paper that is twenty centimetres long and four centimetres wide.
3. Cut out with the scissors.
4. Take both ends of

the strip of paper and tape them together. You will now have a round loop of paper.

5. Place the paper loop in front of you.
6. Take the straw and point it at the paper loop.
7. Blow through the straw onto the paper loop.
8. Watch what happens. The paper loop should roll away from you.
9. Place the loop in front of you once again.
10. This time, blow through the straw just over the paper

loop.

11. Watch what happens.

What is going on?

It will take some practice, but once you have the right angle of the straw, the paper loop will follow the air instead of being pushed away. This is because the air you are blowing through the straw is creating an area of low pressure. The paper loop is pushed in to this area of low pressure by the stable air pressure surrounding it.

Moving air like this is what also enables airplanes to fly. The low pressure on top of the plane creates the lift an airplane needs in order to fly high in the sky.

Stubborn Science



Science can be so frustrating sometimes!

Materials

Cone shaped cup
Ping-pong ball
Scissors

Procedure

1. Cut the tip off of the cup. You will now have a funnel.
2. Drop the ping pong ball into the funnel.
3. Hold the funnel directly over your head and blow into the small end.
4. The objective is to

blow the ball out of the funnel.

5. Blow hard and steady.
6. Are you able to blow the ball completely out of the cone?

What is going on?

It should have been impossible for you to blow the ping-pong ball out of the funnel. This is because the passage of air around the ball makes

it jump and bounce, but it will not leave the funnel.

The ball will not leave the funnel because the air you blow into the funnel surrounds the ball, it does not push the ball up and out of the funnel. The ball will jump up and around in the funnel. At times, it may even appear as if the ball is going to jump out of the funnel. No matter how hard you blow, the ball will not be able to leave the funnel.

For all of your science needs, contact Praxis :

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