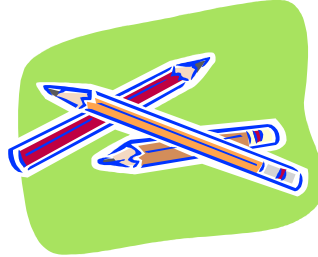


# September Newsletter

## Welcome Back!



Welcome back to another school year, let's hope it is everything we are looking forward too.

Praxis would once again like to help you have a successful year. We have lots of materials and resources available for you to borrow. New this year we have: animal and plant cell models, a DNA model, a fetal

pig model for Bio 20, an incubator and a seed germination model as part of our plant kit. Some of these are great for **high school** courses.

Don't hesitate, book now and you won't risk missing out on what you want, kits and resources are booking up fast.



There are four easy ways to book everything you need:

- Phone: 403-527-5365
- Fax: 403-528-6570
- Email: [praxis@praxismh.ca](mailto:praxis@praxismh.ca)
- Web: [www.praxismh.ca](http://www.praxismh.ca)

**Have A Great Year!!!**

## Did you Know?

- You would have to yell for 8 years, 7 months, and 6 days to produce enough energy to heat a single cup of coffee
- More pressure is put on your spine by laughing or coughing than by walking or standing
- Human eyes can distinguish 250 different pure colors, 17,000 mixed colors and 300 shades of grey
- Sneezes can travel at 160km/h

## Upcoming Events

Wow is there ever a lot of stuff to tell you about this month.

### Regional Science Fair

Though the science fair isn't until March, there is a lot of planning that goes into it. Our first meeting is Monday September 29 at 4:15 at the Medicine Hat Catholic Board Office. We hope to see you there so mark it on your calendar.

### Alberta's Science and Technology Week

Science & Technology Week is from October 17 to 28 this year. Lots more news

and information about our planned events, such as the Family Science Olympics, to come in our next monthly Newsletter.

### ATA Science Council Conference

This years conference entitled "*Science in the Real World*" is being held in Calgary November 13—15. There are some great keynote Speakers booked. To get more information or to register check out their website at <http://www.atasc.ab.ca/conference/>

### Iron Teacher Competition

It would be great to see some teachers from SE Alberta in this years competition. Applications are being accepted until September 26, so don't wait. The competition will be held on November 5 in Edmonton. More information is available on the Telus World of Science Website.

For more information about any of these upcoming events or to give us a heads up on something contact us at 403-527-5365 or email us [praxis@praxismh.ca](mailto:praxis@praxismh.ca)

## Your Praxis Back-to-School Checklist

- ◇ Booked Hands on Learning Kits
- ◇ Booked Demo Models
- ◇ Requested Guest Speakers
- ◇ Field Trips booked
- ◇ Science Fair Information

## Foaming Eruption

### Materials:

- Plastic bottle
- Ice cream pail, or other bucket
- Warm water
- Yeast
- Dish soap
- Food coloring
- Hydrogen peroxide
- Funnel



### Procedure:

1. Dissolve 1 teaspoon of yeast in 2 tablespoons warm water
2. Stand the bottle up in the ice cream pail and place the funnel in the mouth of the bottle.
3. Pour in 1/2 cup hydrogen peroxide
4. Add about 3 or four drops of food coloring, and a squirt of dish soap.
5. Pour the yeast mixture into the bottle and quickly remove the

funnel.

6. Watch what happens. The kids can play in the resulting mixture if they want, it is only dish soap with water and oxygen in it.

### Explanation:

Hydrogen peroxide is water with an extra oxygen molecule on it; the addition of the yeast which works as a catalyst makes the peroxide release its extra oxygen molecule faster, turning the peroxide into water.

Here are a couple of experiments that you can use as demonstrations in the first few weeks in your class. They are sure to get kids excited about science!

## Foaming Pop

### Materials:

- Carbonated pop
- Salt
- Spoon
- Glass

### Procedure:

1. Pour the pop into the glass and let the fizz die down

2. Drop a couple of teaspoons of salt into the pop and stir
3. Watch as the pop foams over the edge of the glass.

### Explanation:

Pop contains carbon dioxide, it actually contains more than you could normally dissolve in liquids. Manufacturers use extreme cold temperatures to super-



Lots of bubbles and foam!

saturate the pop with carbon dioxide. That extra carbon dioxide wants to escape as soon as you open the can or bottle, that is what makes it fizz. When you add the salt to the pop it gives the carbon dioxide a place to form bubbles, the faster the bubbles form the faster the carbon dioxide can escape.

For all of your science needs contact Praxis.

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Fax: 403-528-6570  
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Don't forget you can always get a copy of the newsletter off our website!

Founding Member of:

