



SAFETY GLASSES ARE GREAT!

Deadline to enter is **December 31, 2013!**

The **Farm Safety Wranglers** contest for this edition is easy to do. Tell us what you know about safety glasses! If you need to do a little research before answering, visit the Alberta Farm Safety Program website at www.agriculture.alberta.ca/farmsafety. Type 'safety glasses' into the search bar in the top to watch a short video, then search 'PPE' to read about them.

1. What kinds of tasks around the farm require safety glasses? Why?

2. What design features help safety glasses feel more comfortable to wear?

3. If your safety glasses fit too tight on your face, you will be **MORE or LESS** (circle one) likely to wear them?

Please select **one** of the following:

- YES**, I agree to have my first name, town and answers published in the next newsletter*
- YES**, I agree to have only my town and answers published in the next newsletter*
- NO**, Please don't share my information or answers (but still include me for the prize draw!)

Please mail, e-mail or fax your entry form to:

Nicole Hornett
 Farm Safety Coordinator
 97 East Lake Ramp N.E.
 Airdrie, AB. T4A 0C3
 Nicole.Hornett@gov.ab.ca
 Fax: (403) 948-2069

Your Full Name: _____

Mailing Address: _____

Town: _____

Province: _____ Postal Code: _____

Your Parent's Signature: (required) _____

The **Safety Wrangler** Newsletter is published two times a year. For more information visit www.agriculture.alberta.ca/farmsafety

Notice of Collection: The personal information that you provide on this form will be used for administration of the Safety Wrangler's Safety Glasses Contest. The information is collected under the authority of section 33(c) of the *Freedom of Information and Protection of Privacy Act* and is subject to the privacy provisions of the Act. If you have any questions about the collection and use of your information, contact the Farm Safety Coordinator, Alberta Agriculture and Rural Development, phone: 403.948.8524 or email: Nicole.Hornett@gov.ab.ca



* As space is available



Even though we're twins, there's a lot that Blake and I don't always agree on. He likes salty snacks, but I like sweet treats. He likes to get up early and I like to sleep in a bit. He likes spring, and I like fall.

There are lots of things we **do** agree on, though! We both like going back to school (yup, I said it!). We both love being outside and doing outdoor activities. We also really love being the **Farm Safety Wranglers!**

We're always following our motto, to: **Learn Safe, Work Safe and Play Safe** around the farm! The other day, Dad was showing us how the new pressure washer works, including how to safely use it. Blake turned to dad and said, "I guess it's easier to just learn the safe and right way to do a job instead of trying to guess or figure it out on our own, hey?" Dad smiled and told us that was a really mature way to look at things!

We hope you like the activity, puzzle and contest we picked for you. We decided to focus on farm machinery and eye safety for this newsletter.

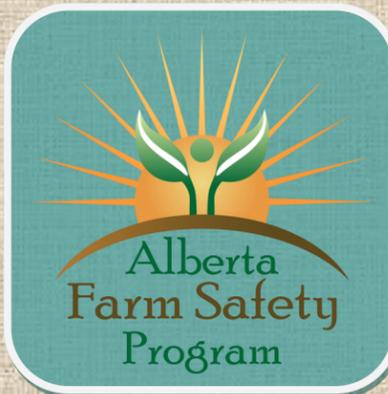
By Jenna and Blake
The Farm Safety Wranglers!



Jenna loves autumn!



Learning to pressure wash!



Newsletter #2: Fall/Winter 2013

The Farm Safety Wranglers newsletter is part of the Alberta Farm Safety Program's tween programming for ages 9 to 14.



BLAKE'S WORD PLAY

One of my favourite games to play is Mad-Libs! **Start here** before flipping the page to write your words in. The game is more fun if you don't know what the story says! Remember, an adjective is a describing word, like fluffy, huge, bouncy, friendly, strange or sassy!

		Your words	Your friend's words
1	Adjective		
2	Adjective		
3	Colour		
4	Colour		
5	Thing—Plural		
6	Number		
7	Pick 1 out of: Hearing, Taste, Touch or Smell		
8	Size		
9	Shape		
10	Colour		
11	Texture		
12	Name a Popular Toy		
13	Adjective		
14	Number		
15	Kind of Livestock— Singular		
16	Colour		
17	Fabric Pattern		



Once done, please proceed to Page 4!

How much from Jenna's story can you remember?

Question #1: What is her family's rule for riding in/on machinery?

Question #2: Why did grandpa stop giving the kids tractor rides many years ago?

Question #3: What did Jenna's grandpa promise never to offer to his kids again?

Question #4: What's missing from Jenna's dad's machinery that means she can't go too?

Question #5: What's the most common piece of equipment involved in runovers?

How much did you remember? Did you answer all 5 correctly?
You can check back to the story if you need to!



What is a tradition?

A tradition is something (beliefs, legends, customs, ways of life) that has been handed down from generation to generation, especially by word of mouth or in practice.

For example, since our grandpa decided to stop giving dad rides, and dad decided to do the same with me and Blake, that's the start of a tradition. If Blake and I do the same with our future families, it'll be a family tradition (and rule!) to not take rides on machinery, unless there is a buddy seat!

Answer Key: (#1) One Seat, One Rider. (#2) His youngest son bounced off and was almost runover! (#3) He promised to never offer a ride on the machinery. (#4) Jenna's dad doesn't have a buddy seat. (#5) Tractors.





WHEN DOES A FAMILY TRADITION CHANGE?

When it comes to the farm machinery, our parents are very strict with the 'One Seat, One Rider' rule. None of our machines have a 'buddy seat'. Dad has always explained it to us like the seatbelts in a car: everyone needs to buckle up.

The other day, grandpa was over watching Blake and me. He was telling us about all the fun stuff dad used to do as a kid on the farm. We laughed when grandpa told us the story about when dad learned how to skate. It was cool hearing about dad's two-level tree fort. But when grandpa said he used to give dad rides around the field on the tractor, Blake and I were confused! Why did grandpa give him rides, and why did he stop? Why can't we have rides?

Grandpa explained that he always thought it had been fine to give dad and his siblings a ride around the field. In fact, he used to give rides to all the cousins, too! One day, when grandpa was turning the corner, dad's little brother bounced right off grandpa's lap and landed in the field... just a tiny bit away from the tractor's big rear tire. Grandpa jumped down off the tractor, with his heart beating fast, and scooped the little boy up off the dirt—realizing that he'd just had a very close call with his youngest son!

Grandpa said that from that day forward, a new rule was started on the farm: **One seat, one rider**. Grandpa asked all of his kids to promise never to ask for a ride again, just as he promised to never offer a ride. Now we understood why dad was always so strict about us not riding on the equipment with him, or anyone!

By: Jenna



Jenna's Research

- For kids in Alberta, **runovers** are the leading cause of agriculture-related death.
- Kids riding as a **passenger** on equipment (then falling off) is the major cause of the runover deaths.
- The most common piece of equipment that ran the kids over was the **tractor**.
- Some kids died because they were just not seen by the driver. This is why it's important to stay away from the farm machinery, even when it is **parked**.

ACICR (2009)



ACTIVITY CONTINUED ON PAGE 5!



Objective

To discover how a pinhole camera is similar to how human eyes work.

Materials and Equipment

Remember, when asking your parents about starting this activity, materials are items you are going to use up, or change in some way. Equipment is something you will use and return to where you found it. It's important to always tidy up after yourself!

Materials

- Empty cylindrical chip can (i.e. Pringles)
- Masking or duct tape
- Aluminum foil
- Wax paper



Equipment

- Ruler
- Felt marker
- Utility knife or scissors
- Thumbtack or pushpin



Before you Start

Since this activity involves cutting, and the **Safety Wranglers** motto is to: **Learn Safe, Work Safe & Play Safe...** Do your parents know what you're making? Do you feel comfortable and confident to use all the equipment required? If not — ask for a training lesson! Your parents would much rather you ask for help first, than come to them later with an injury!

Let's Get Started!

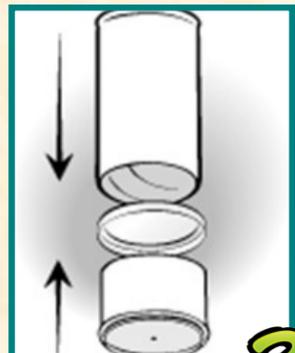


Step #1: Take the plastic lid off the chip can/cylinder and clean it. Save this lid! It will be the screen for your camera.

Step #2: Measure 5 cm up from the bottom of the can (starting where the metal is) and draw a line all the way around the can at this point. You may need an adult to help you cut this so that it is relatively straight.

Step #3: The shorter bottom piece has the metal end. With the pushpin, make a small hole in the centre of the metal. The smaller the hole, the sharper your images will appear.

Step #4: Put the lid onto the shorter piece of tubing. Place the longer tube section back on top and tape all the pieces together. If your lid is clear, you may need to apply a circle of wax paper to act as a screen.



Continued on Page 5

WORD BLANK PUZZLE



ALL IN FAVOUR OF SAFETY GLASSES SAY, "EYE!"

All About Safety Glasses

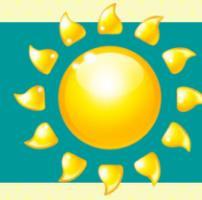
Gone are the days of _____ safety glasses! Today's styles are light, comfortable and _____! Some even look like fashionable sunglasses with _____ wrap-around frames and _____ reflective lenses!

Some _____ may ask, "Why bother to wear safety glasses?" The answer is simple: You've only got _____ eyes. Sight, even more than _____, helps us to get around. It would be much harder to figure out if something is _____, _____, _____ or _____ without our sight!

Eyes have some natural protection, like eyelids, eyelashes, tears and our blink reflex, but that's not always enough. Hazards like grain dust, sunlight, chemicals and flying bits of _____ spitting out from the lawn mower are common on farms!

Why not pick out a pair of _____ safety glasses soon? It might be handy to pick up _____ more pairs to keep on hand in case your favourite pair gets broken, scratched or stepped on by a _____.

Even though some safety glasses look like sunglasses, their design and lenses provide more protection than a regular pair of sunglasses can. Be sure to keep your new safety glasses safe when not in use—a small, soft, _____, _____ bag would work great!



A SCIENCE EXPERIMENT (CON'T)

HOW MUCH DOES TECHNOLOGY MIMIC OUR BODY?

Step #5: Use aluminum foil to keep the light out of the tube. Take enough foil to wrap around the tube twice, then tape the loose edges down. If there is extra foil at the top, just tuck it neatly into the tube.

Step #6: Go outside on a **sunny** day. Close one eye and hold the tube up to your other eye, looking into the big open end (not the pinhole). You want the inside of the tube to be as dark as possible, so you may need to cup your hands around the opening.

Great Idea! Another family discovered that using a soft-drink foam 'coozie' sleeve (not the neoprene) worked really well to keep more light out. It's also helpful for people with glasses!



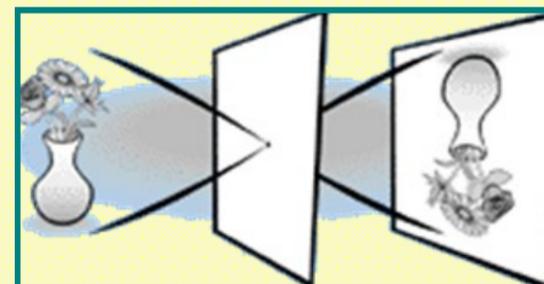
Credit to: http://www.exploratorium.edu/science_explorer/pringles_pinhole.html

Learn Safe: What is this demonstrating?

You have just made a camera! This type of device was an important start to the camera technology we see today. Your camera doesn't have film, but these can be outfitted with film to capture images. Try experimenting with a magnifying glass to see what changes!

Did you know that your pinhole camera mimics what our eyes do? Light reflecting off of the items is formed into an image on the screen/retina. The difference with our eyes is that our optic nerve sends the information to our brain, which basically 'flips' the image once again so it makes sense to us. Thankfully, we also have a cornea, lens, iris and vitreous humor to help us focus on items near and far and to let the right amount of light in. I hope you'll keep learning about how our eyes truly work and why it's important to protect them!

What your pinhole camera 'sees':



What your eyes 'see':

