

# FARM SAFETY

PROJECT



Australian Government  
Department of Agriculture,  
Fisheries and Forestry



PRIMARY  
PRODUCERS  
SA

DELIVERED BY: **agcommunicators.**

## STUDENT BOOKLET

PROTECT  
YOUR PEOPLE

YEAR 5 - 7  
STUDENTS

2023







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# PROTECT YOUR PEOPLE!

**FARM SAFETY**  
PROJECT

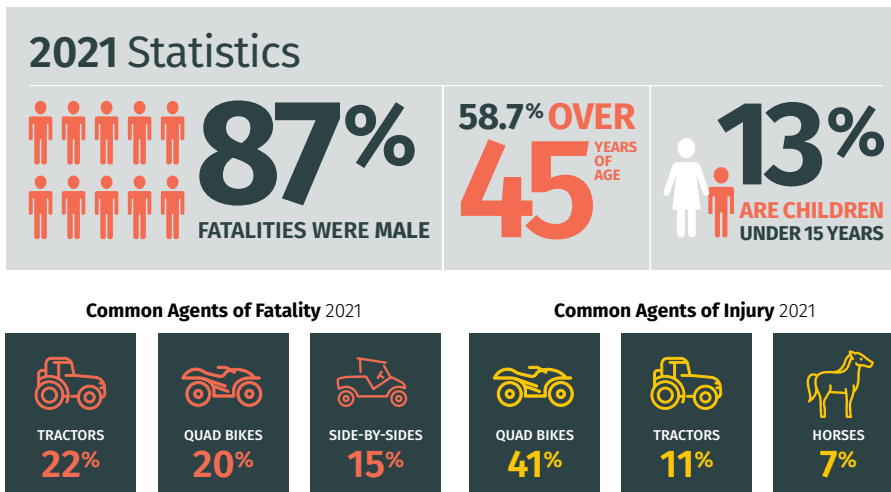
# Getting started with farm safety

Farms are great places to spend time and learn about growing food and fibre. It's such a valuable and fun thing to do!

Sadly, we know that children are injured and killed on farms every year. It's really important that you and your class are learning about the risks and ways to keep each other safe on farms.

You are going to learn how to **PROTECT YOUR PEOPLE!**

Have a look at these statistics about farm safety. Talk about them with your classmates and teacher.



What is the most important thing you learned from these statistics? \_\_\_\_\_

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What surprised you from these statistics? \_\_\_\_\_

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How can looking at statistics help to keep people safe? \_\_\_\_\_

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Write down some safety terms ready to share for a class safety wordwall. \_\_\_\_\_

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Who are the people you want to protect? \_\_\_\_\_

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# Protect your People!

You can use the 4Ps to keep yourself, your family and your mates safe when you are on farms.

## PAIR UP AND PLAN



Work with an adult to talk about what you will be doing on the farm and what the rules are for that farm such as where you can go and what you can do.

Always have adult supervision when you are on the farm.



## PAUSE AND PRACTICE



Stop and think before you do anything on the farm.

Make sure you have learned the safe way to be involved and practiced the skills you need.



## PLAY IN SAFE AREAS

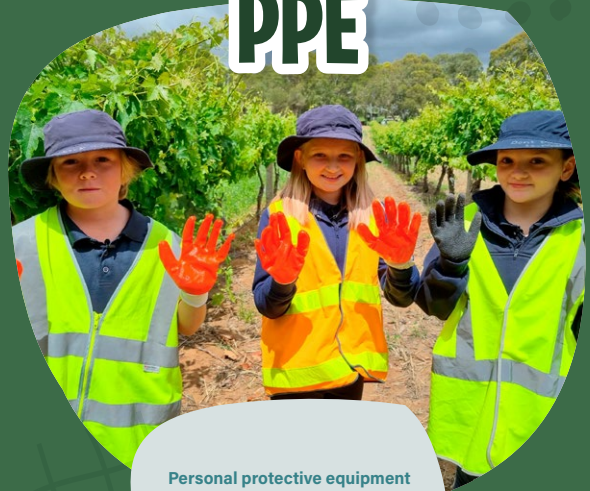


Farms are workplaces, not playgrounds.

Only play in safe areas with secure fencing, away from water, machinery and other hazards.



## POP ON PPE



Personal protective equipment (PPE) can help to make you easier to see and protect you from harm.



# Protect your People with the Hierarchy of Control

Your teacher will introduce the Hierarchy of Control to your class.



**KEY SAFETY MESSAGE**  
= understanding the Hierarchy of Control

[bit.ly/PPSA-HoC](https://bit.ly/PPSA-HoC)

## Hierarchy of Control for kids



### Think about it!

What do you think each of the levels of the Hierarchy of Control for kids means?

Remove	
Swap	
Organise	
Direct	
Cover	

Why is the Hierarchy of Control shaped like a triangle?

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Brainstorm some examples of Personal Protective Equipment (PPE) ready to share with your class.

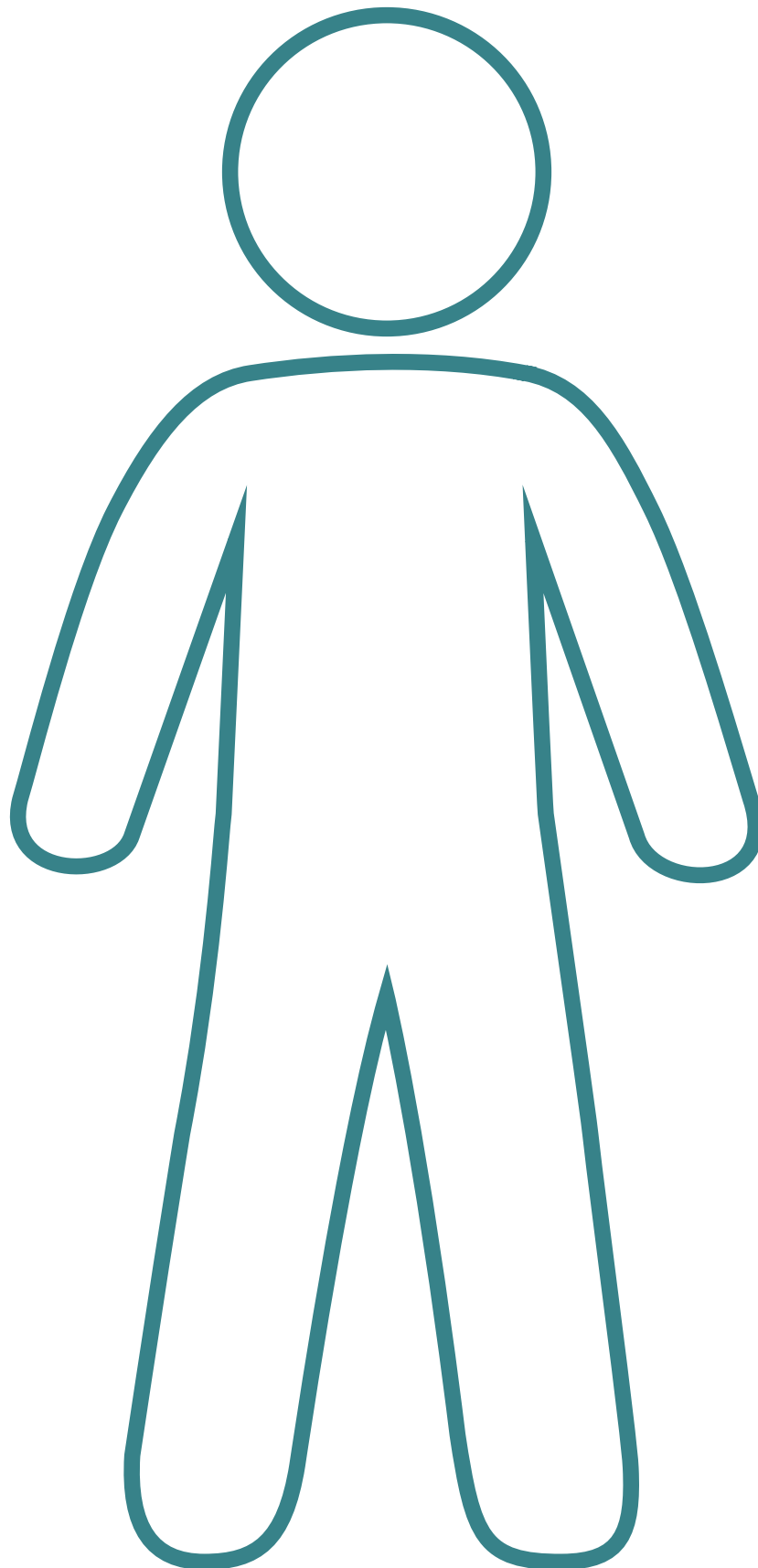
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# Protect your people ...

How would you protect this person with PPE (personal protective equipment)?

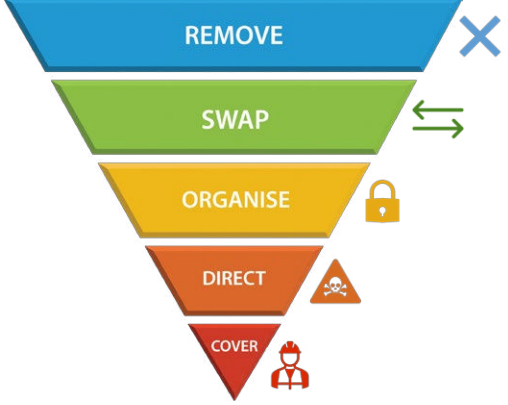






### Pair up & plan

At your school, find a tool or piece of equipment and assess how it could be made safer using the Hierarchy of Control. Record your plan here:

	Name of tool or equipment:
	

Who could you discuss your plan with so that you can put it into action? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# Protect your People on a dairy farm



What do you know about dairies?



**KEY SAFETY MESSAGE**  
 = 4Ps: Protect your People, large animals, water safety (effluent ponds / dams), electric fences, hay bales, machinery, zoonoses, manual handling, clean boots, PPE

[bit.ly/PPSA-DairySafety](https://bit.ly/PPSA-DairySafety)



## Think about it!

After you watch the dairy farm safety video, record an example for each of the 4Ps to Protect Your People!

Pair up and plan	
Pause and practice	
Play in safe areas	
Pop on PPE	

The dairy safety video covers lots of important ideas including biosecurity, electric fences, working with large animals, hay bale safety and water safety.

Record some of your thoughts about them here:

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**DID YOU KNOW?** According to KidSafeSA "a child can drown silently in as little as three centimetres of water in less than two minutes!"



What can we do to keep children safe around water?

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## Tell the story!

Imagine you are dairy farmer Ros and write a letter, article for the local newspaper, or a Facebook or Instagram post explaining how you have made your farm safe for children  
OR

Write a narrative from Billy, Henry or Charlotte's perspective on visiting Ros the dairy farmer to see how she has made her farm safe for children.

Use your imagination and include feelings and emotions to create a really interesting narrative.

Start planning your writing here.



## Map it out

**PAIR UP and PLAN:** Check out your school site for the safe play areas. Mark them on a map or aerial image of your school. What makes an area safe for playing?

Where are the unsafe areas and why? See if you can think of two different areas:

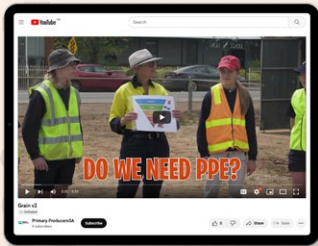
Area	Reason they are unsafe	What would you tell your people about this area



# Protect your People on a grain farm



What do you know about grains?



**KEY SAFETY MESSAGE**  
 = 4Ps: Protect your People,  
 Hierarchy of Control, chemicals,  
 augers, silos, powerlines, quad  
 bikes, machinery, workshops

[bit.ly/PPSA-GrainsSafety](https://bit.ly/PPSA-GrainsSafety)



## Think about it!

After you watch the grain safety video, record an example for each of the 4Ps to Protect Your People!

Pair up and plan	
Pause and practice	
Play in safe areas	
Pop on PPE	

The grain safety video covers lots of important ideas including powerlines, augers, machinery, silos, chemical sheds and workshops.

Record some of your thoughts about them here: \_\_\_\_\_

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Quad bikes are a serious safety risk for people but are especially dangerous for kids. A safer option is a side-by-side. Compare quad bikes and side-by-sides by filling out this table:

	Quad bikes	Side by Sides
Also known as		
Add a picture		
The seat		
Rollover protection		
Steering		
Wheels		
Seat belts		
PPE and helmets		
Passengers		
Uses on a farm		

**DID YOU KNOW?** Children should not ride or be a passenger on adult quad bikes before they are 16 years old





## Show your chemical safety strategies!

Many farms use chemicals for controlling weeds and pests. Chemicals may be stored in farm sheds or could be in the sprayer on the tractor. Chemicals are a risk for children. Answer these questions about staying safe from chemicals.

1. **Define** at least five of the farm chemical terms in your own words:

Chemical	
Chemical shed	
Ventilation	
Flammable	
Toxic	
Poison	
Herbicide	
Fungicide	
Insecticide	
Pesticide	

2. In the video, Molly points out the warning signs on the chemical shed.

**List** the things that the signs warned people about.

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3. While visiting a farm, you find a chemical storage shed unlocked. **Explain** what you should do.

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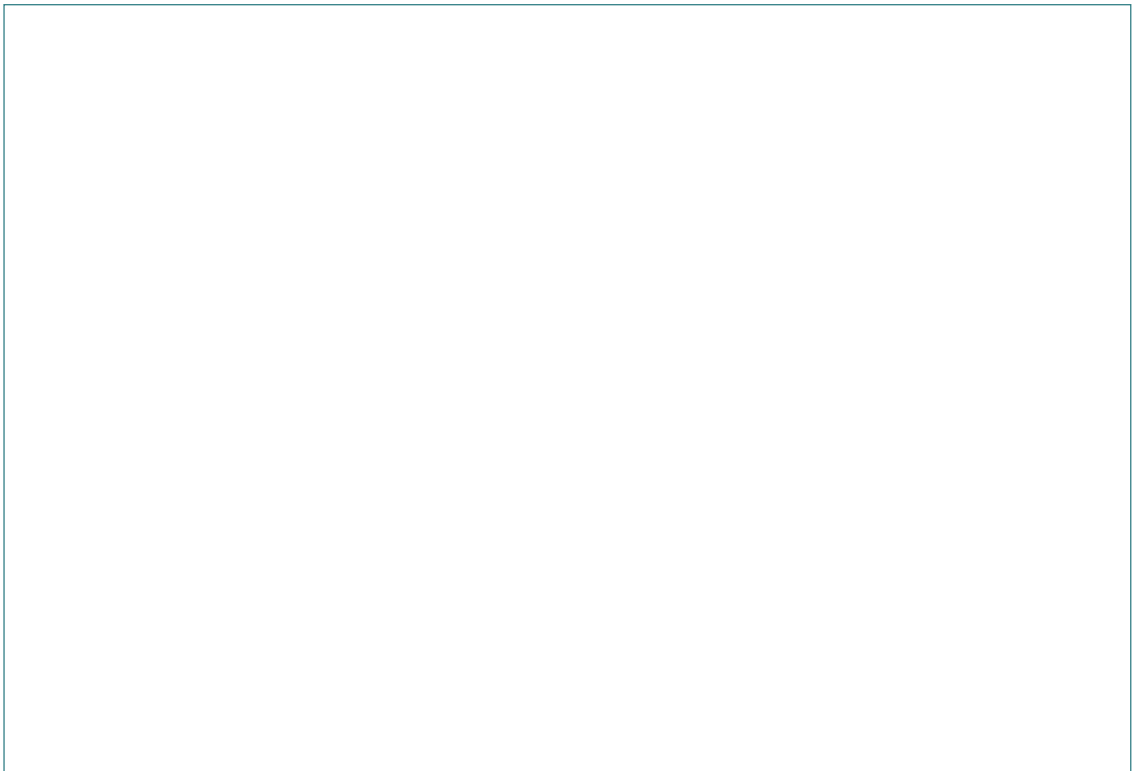
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4. The Hierarchy of Control has five steps: Remove, Swap, Organise, Direct and Cover. **Describe** how each step can be used to make chemical storage safer for children.

Remove	
Swap	
Organise	
Direct	
Cover	

5. **Imagine** you have been asked to design a new chemical shed for a school farm. Draw a sketch of the shed showing all the safety features you have included.



**In workshops, bottles and containers may not be marked with the right label or may have lost their label. Do not eat or drink from any bottle unless it has come from a carer or parent, and it is safe.**

**Chemicals are never for children. Adults must complete special training to be able to use them safely. This makes sure they know how to use them safely so they protect themselves, their people, their neighbours and the environment.**



### Check it out!

**PAIR UP and PLAN:** Choose a worksite like a school farm or community garden. Work with a partner to complete a safety audit and create a list of safety jobs that should be done.

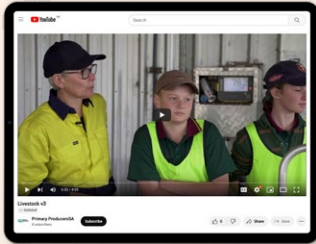
Record your safety jobs list

Record who will do this job

# Protect your People on a livestock farm



What do you know about livestock?



**KEY SAFETY MESSAGE**  
= 4Ps: Protect your People,  
working with large animals,  
quad bikes, guns, zoonoses

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## Think about it!

After you have watched the livestock video, record your thoughts. \_\_\_\_\_

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Discuss what makes some farm animals dangerous. \_\_\_\_\_

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What are zoonoses and how can you stay safe from them? \_\_\_\_\_

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The video showed children working with sheep. Think about other animals found on farms and list the risks of working with them.

**Guns are never for children and they must be locked away in a gun safe, by law. If you see a gun not secured properly on a farm you must not touch it and tell an adult straight away.**





### **P for Protect your People Poster – get creative!**

Create a farm workshop poster or logo for a hi-vis farm shirt that promotes the 4Ps to Protect your People!  
Sketch your design here before creating your final version.

Chat to your teacher about the different ways you could present your final design and share your clever ideas.



### **Pause and Practise and get practical!**

Work with your teacher to practice your safe work skills at school.

Don't forget to Pair up and Plan and Pop on PPE before any practical activities.

# Protect your People in horticulture



What do you know about horticulture?



**KEY SAFETY MESSAGE**  
= 4Ps: Protect your People, noise, forklifts, heights, working outdoors, worker safety in busy areas

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## Think about it!

After you watch the video discuss the answers to the questions you are asked.



## Quick Quiz Questions

Jot down your thoughts for each question ready to share with the class

Can you guess what they grow at the orchard? \_\_\_\_\_

Do you know what the name is for the type of farming where you grow fruits and vegetables? \_\_\_\_\_

How many different fruits and vegetables can you name? Can you think of one for every letter of the alphabet? \_\_\_\_\_

Will there be the same rules that we use here compared to some of the other farms that we've visited? \_\_\_\_\_

What risks might be different on a horticulture farm compared to a dairy or a grain farm? \_\_\_\_\_

It's great working outdoors but what are some of the safety risks for being outside? \_\_\_\_\_

What can we do to safely pick the fruit that's up high? \_\_\_\_\_

Can you see why the packing shed is not a safe play area for kids? \_\_\_\_\_

Do you think there's some special safety rules around forklifts? Like do you have to have a license to drive a forklift? \_\_\_\_\_

What are some of the other ways that they're keeping their workers safe in this packing shed? \_\_\_\_\_



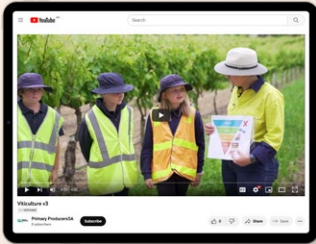
## Risk assessment for risk reduction

**PAIR UP and PLAN:** Work with your teacher to choose an outdoor area and complete a risk assessment. It should have a section for identifying risks, planning how to work safely and listing PPE.

# Protect your People in viticulture



What do you know about viticulture?



**KEY SAFETY MESSAGE**  
= 4Ps: **Protect your People, Hierarchy of Control, quad bikes, machinery, working outdoors, water safety, hand tools, uneven terrain.**

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## Think about it!

Machinery, including tractors and quad bikes, are important on many types of farms.

List some of the jobs that machinery can do that people can't. \_\_\_\_\_

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Why is machinery so dangerous for children? \_\_\_\_\_

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If you have a friend or family member with a quad bike, what tips would you give them to be safer?

Think of the hierarchy of control. \_\_\_\_\_

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**Since 2001, 269 people have died on farms as a result of quad bikes, almost half due to rollovers. Of these fatalities, 32 were children.**

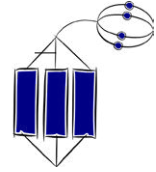
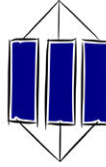
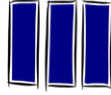
**Six people every day require treatment in hospital emergency departments due to quad bike injuries.**

**Remember quad bikes are not for children under 16 years.**



## Machinery matters!

To help you understand how to stay safe around farm machinery, work with your teacher to pick and complete activities from the SOLO grid below.



Unistructural	Multistructural	Relational	Extended Abstract
Define these terms: <ul style="list-style-type: none"> <li>• Quad bike</li> <li>• Side-by-side</li> <li>• Motorbike</li> </ul>	<b>Describe</b> the dangers of farm utes for children	<b>Explain</b> why quad bikes are especially dangerous for children	<b>Create</b> an original jingle, poem or narrative to encourage farmers to keep kids safe from machinery on farms
<b>Identify</b> the types of machinery used on farms	<b>List</b> the things farmers can do to keep kids safe from machinery	<b>Compare</b> quad bikes, side-by-sides and motorbikes from a safety perspective	<b>Evaluate</b> the effectiveness of quad bike safety recommendations
<b>Label</b> the dangers on a drawing or image of a piece of farm machinery	<b>Calculate</b> how many people are injured by quad bikes each year if an average of six people per day go to hospital.  Show your working out!	<b>Analyse</b> the ways farms are different to other workplaces with respect to child safety	<b>Reflect</b> on the reasons why some people let their kids ride unrestrained in or on farm utes



## Check it out!

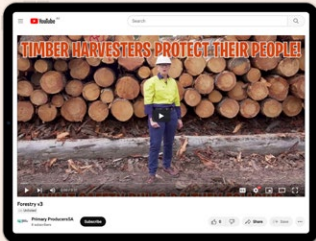
**PAIR UP and PLAN** Assess your school site for vehicle and machinery safety. Are there warning signs displayed on the farm, car parks, bus stops and pedestrian crossings? Identify the areas that need kid-friendly safety directions displayed, then create and install them.

Record your findings here:

# Protect your People in forestry



What do you know about forestry?



**KEY SAFETY MESSAGE**  
= forestry harvesters, safe operation and PPE for chainsaws

[bit.ly/PPSA-ForestrySafety](https://bit.ly/PPSA-ForestrySafety)



**Think about it!**

As you watch the video, write down your thoughts for each question.

Can you think of all the things that we use timber for? \_\_\_\_\_

Do you know how they harvest the timber in a plantation? \_\_\_\_\_

While you watch the video see if you can see the four P's in action to Protect Your People. \_\_\_\_\_

Do they use the same ones that we do? \_\_\_\_\_

How fast is the chain going and how many trees can they chop down in one day? \_\_\_\_\_

How do you think the harvester operators pair up and plan? \_\_\_\_\_

Do you think the timber harvesters pause and practice? \_\_\_\_\_

Are there safe play areas on a plantation? \_\_\_\_\_

What PPE do the timber harvesters require? \_\_\_\_\_

What would be some safety rules for operating a chainsaw? \_\_\_\_\_

Is there any other PPE that a chainsaw operator would require? \_\_\_\_\_

**Chainsaws are never for children to use.  
Adults should do a chainsaw course and get all the PPE before they use one.**





## Welcome to my “Kid Safe” Farm!

Design a child-safe farmyard using all the ideas you have learned from the farm safety project. See how you can build in the **4Ps** to **Protect your People** and use the **Hierarchy of Control** to reduce risky areas.

Chat to your teacher about the different ways you could present your final design and share your clever ideas.

Start recording your ideas here:



## Spot the Safety!

Find all the safety features at your school.



Pair up and plan  
(adults working with students)



Pause and practice  
(students practicing skills)



Playing in safe areas



PPE being used



Fire extinguisher



Guard on a machine



Safe chemical storage



Safety sign



Hand wash facility



Tidy work area



First aid kit



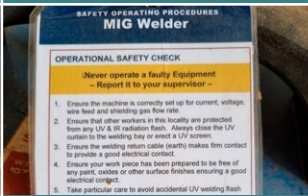
Safety fencing



Clear walkway



Equipment for heavy loads



Safety instructions



Hand sanitiser



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