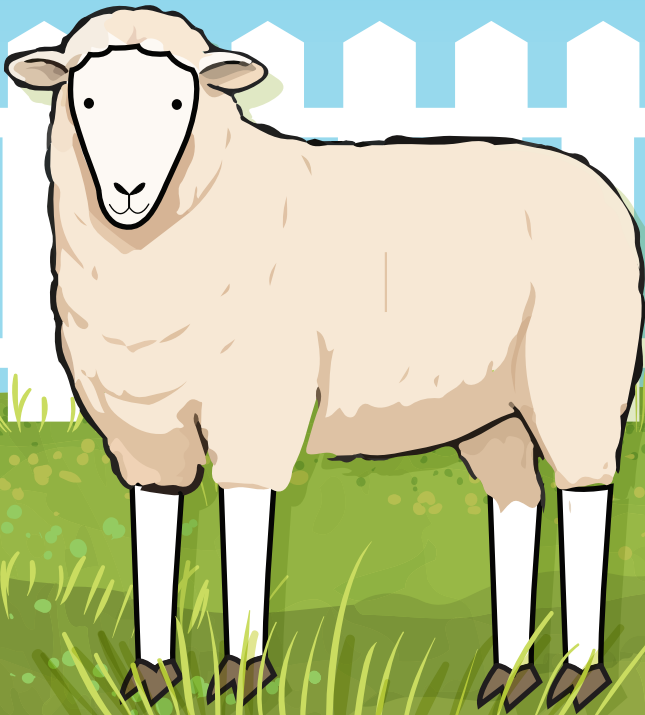




Royal Agricultural Society of NSW

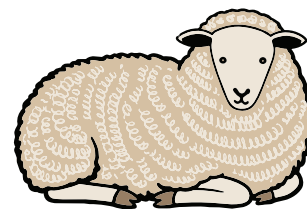


PRIMARY
(STAGE 3)

LAMB LOGIC

AG IN A
BOX





Stage 3 - Agriculture - Meat Australia's Sheep Breeds

Australia's Sheep Industry

Sheep farming is a big part of Australia!

Provides power for growth and activity.

Website:

agriculture.gov.au/abares/insights/industries/livestock/sheep

1. How many sheep are there in Australia (approximately)?

2. What are the main products that sheep provide for Australians and the world? Name at least three.

3. Which states produce the most sheep in Australia? Name the top three.

4. What are some of the challenges facing the Australian sheep industry today?

5. How do farmers and the industry work to look after the environment and improve sustainability?

6. Why is the Australian sheep industry important to rural communities and the Australian economy?

Australia's Sheep Industry

COMPARE THE BREEDS

Choose two breeds and compare them!

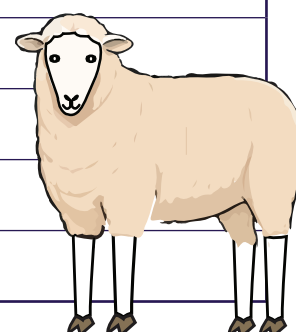
Feature	Breed A:	Breed B:
Body Shape		
Main Use		
Adaptations		
Environment		

EVALUATE

Which breed would you choose for your farm and why?

REFLECTION

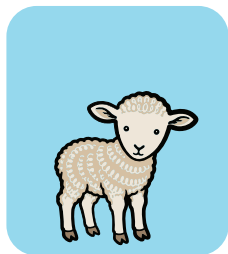
One new thing I learned today:



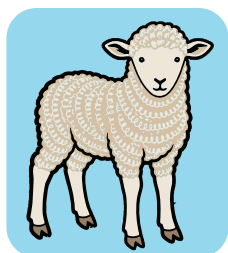
Stage 3 - Agriculture - Meat Australia's Sheep Breeds

EXPLAIN: STAGES OF THE SHEEP LIFE CYCLE

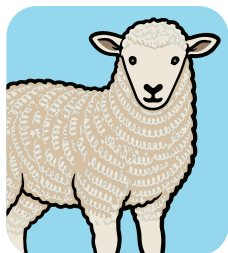
Using the life cycle wheel: read each stage and write what is happening to the sheep.



LAMB (1)



WEANER (2)



HOGGET (3)



ADULT EWE (4)

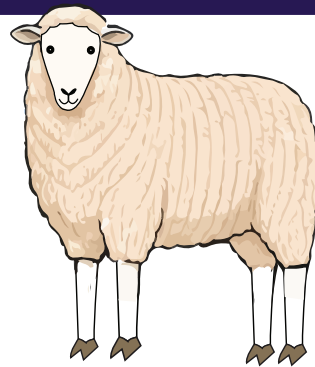


RAM (5)

INVESTIGATE MORE!

Use the website below to learn more about sheep and the Australian sheep industry.

www.mla.com.au/
(Meat & Livestock Australia)



Stage 3 - Agriculture - Meat Australia's Sheep Breeds

HEALTHY SHEEP NEED THE RIGHT FOOD!

Sheep get their nutrition from different sources.

SUPPLEMENTARY FEEDING

Extra feed like grains or hay is given when nutrients are not enough from pasture, or during certain times (e.g. drought, pregnancy, lambing).

PASTURE GRAZING

Sheep graze on grasses and clovers in the paddock.

Think: Why do farmers provide extra feed sometimes?

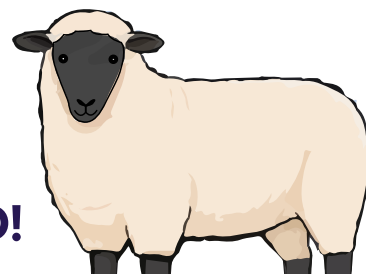
ASSESSMENT: FEED COMPARISON CHART

Use what you learned to complete the chart using the samples provided.

Investigate:

Go to the MLA website for answers: www.mla.com.au/

Feed Type	Source (Where does it come from?)	Nutrients Provided (Energy, Protein, Fibre, etc.)	When is it usually used?	Benefits to Sheep
Pasture				
Hay				
Wheat				
Lupins				
Oats				



Stage 3 - Agriculture - Meat Australia's Sheep Breeds

HEALTHY SHEEP NEED THE RIGHT FOOD!

FEED TYPE DETAILS

Pasture

Source:

Nutrients Provided:

When is it usually used?

Benefits to Sheep:

Hay

Source:

Nutrients Provided:

When is it usually used?

Benefits to Sheep:

Wheat

Source:

Nutrients Provided:

When is it usually used?

Benefits to Sheep:

Lupins

Source:

Nutrients Provided:

When is it usually used?

Benefits to Sheep:

Oats

Source:

Nutrients Provided:

When is it usually used?

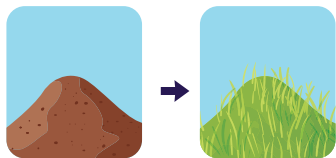
Benefits to Sheep:

Stage 3 - Agriculture - Meat Australia's Sheep Breeds

HEALTHY SOIL, HEALTHY PASTURE, HEALTHY SHEEP!

ENGAGE: THE CONNECTION

Complete the flow diagram to show how soil, pasture and sheep are connected.



Healthy Soil → Strong Pasture

Why is this important?



Healthy Sheep

Why is this important?

Think: What happens if the soil is poor or unhealthy?

SOIL MOISTURE TEST

How much water does it hold?

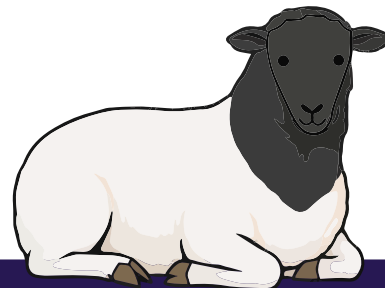
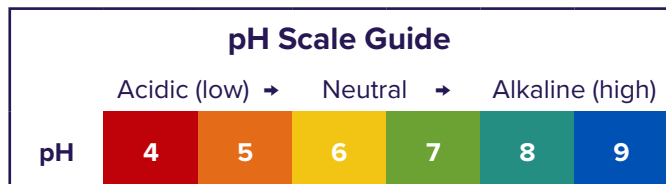
Soil Sample	Water Added (mL)	Water Drained (mL)	Moisture Level (High/Medium/Low)	Notes
A				
B				
C				

Stage 3 - Agriculture - Meat Australia's Sheep Breeds

HEALTHY SOIL, HEALTHY PASTURE, HEALTHY SHEEP!

Use the pH Test Kit (Manutec Soil pH Test Kit)

Follow the directions on the packet.



SOIL PH TEST

How acidic or alkaline is it?

Soil Sample	pH Colour Match	pH Value (approx.)	Acidic / Neutral / Alkaline	Notes
A				
B				
C				

Investigation Summary Healthy

Which soil sample held the most water?

Which soil sample had the highest pH?

Which soil sample would be best for growing pasture? Why?

How does healthy soil help sheep production?
