

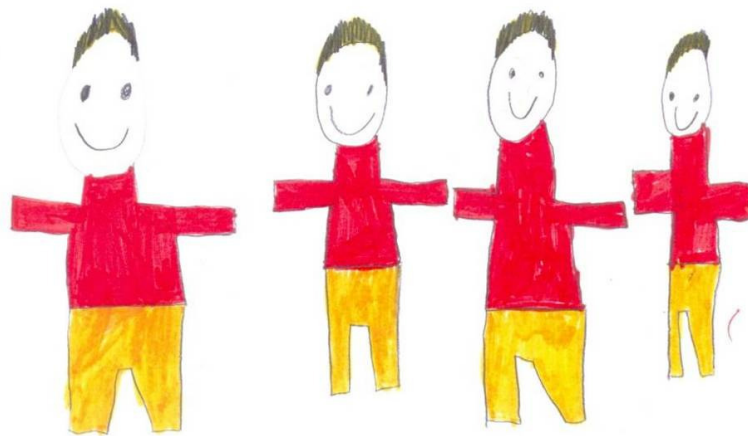
Sustainability and our farmlands

There are a lot of things on a farm and in its environment. The land, water and air are **natural non-living** things. The machinery, energy, communication and transport parts are **man-made non-living** things.

The plants and creatures are the **living** things. **Farms** grow **crops** from the land and **stock** from the land. From these, we get our **food** and **fibre**. There are other **plants** and **creatures** on farms too, some native, some introduced.

Farmers look after their land and what lives on it, so that it can keep on growing good things. They use Science for this, especially when there are problems,

The Four Farming Brothers



- 1
 - a What living things are found in this farm story? (pages 1-10)
 - b Which of these living things are crops and which are stock?
 - c Which living things are problems in this story? (pages 7-8)
- 2
 - a Where did the snakes live? (page 6)
 - b What did the snakes eat? (page 6)
 - c Why wouldn't snakes eat mice in winter?
- 3
 - a What did Dalton do to solve his mice problem? (page 10)
 - b How did he do it so that it wouldn't hurt the wildlife? (page 10)
 - c How would Science knowledge have helped him?

Sustainable farmers try to look after all their environment, so: crops and stock grow well; they make money; they care for wildlife living there too.

- 4
 - a Do you think these farmers fixed their problem sustainably?
 - b Why/not? What would you have done to be more sustainable?

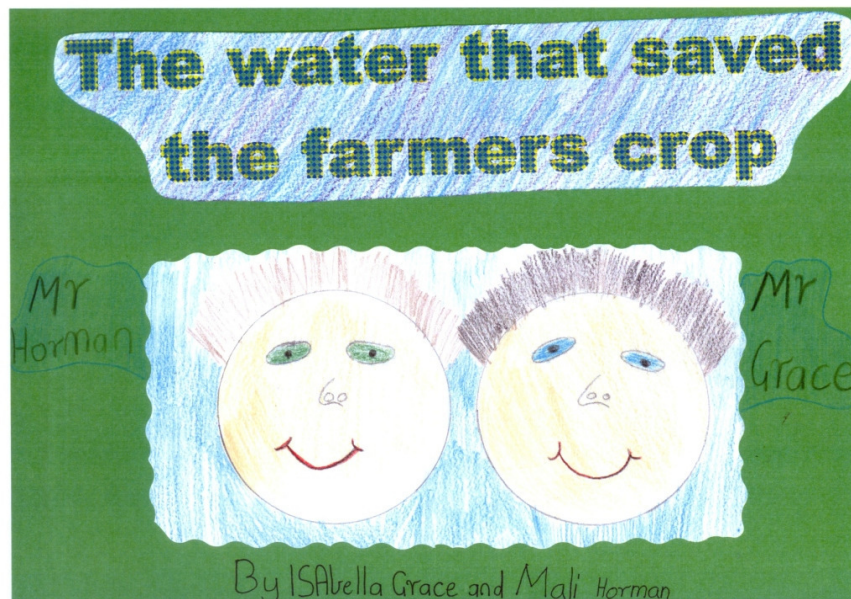
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 - a What living things are found in this farm story? (pages 1-8)
 - b Which of these living things are crops and which are stock?
 - c Which living things had problems in this story? (pages 7-8)
- 2
 - a What shape did the Native Pine trees have? (pages 1 and 4)
 - b Where were these trees planted and why there? (page 4)
 - c What birds liked to live in these trees? (page 4)
- 3
 - a What did Mr Grace do to solve his yellow crop problem? (page 7)
 - b How did he do it so that it wouldn't waste the water? (page 7)
 - c How would Science knowledge have helped him?

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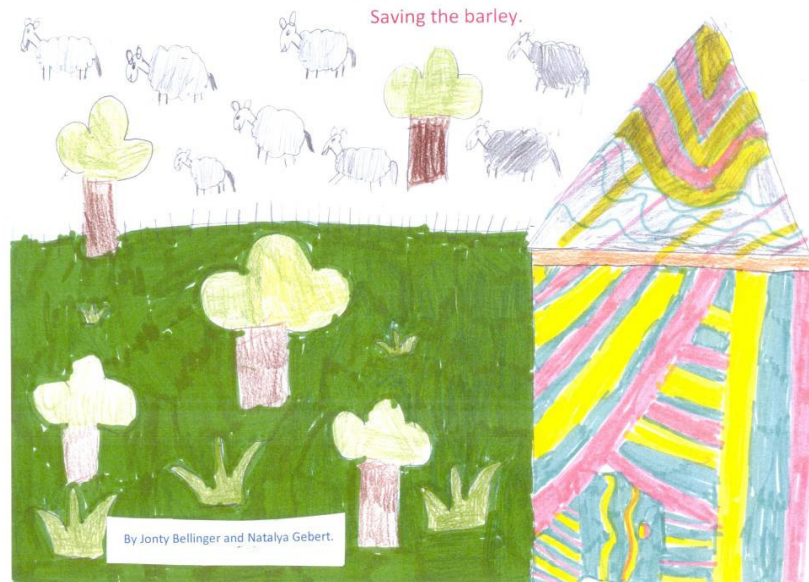
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 - a What living things are found in this farm story? (pages 1-11)
 - b Which of these living things are crops and which are stock?
 - c Which living things are problems in this story? (pages 7-10)
- 2
 - a What animals eat the barley on this farm? (pages 7-8)
 - b Which animals lay on the barley to flatten it? (pages 7-8)
 - c Which farm animal did the fox eat? (pages 9-10)
- 3
 - a What did the farmer do to solve his barley problem? (page 11)
 - b What did he do so that it wouldn't hurt the native wildlife? (page 11)
 - c How would Science knowledge have helped him?

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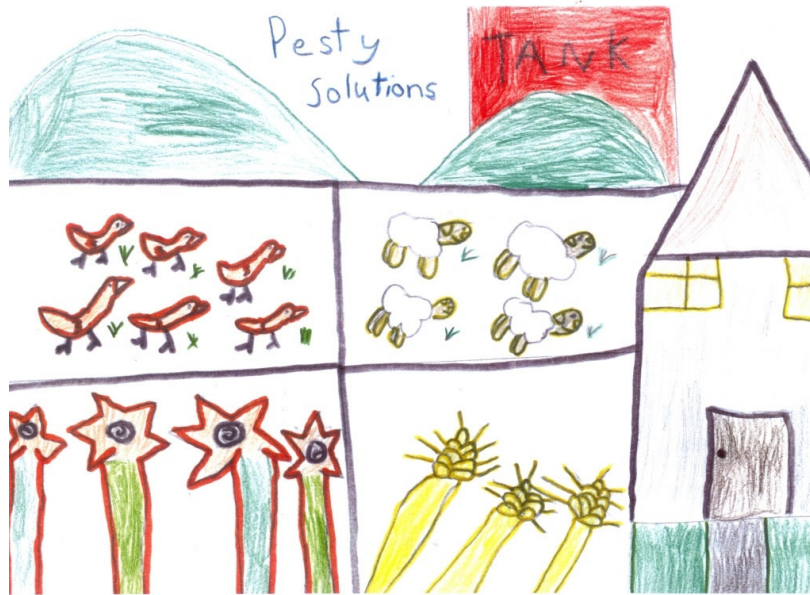
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 - a What living things are found in this farm story? (pages 1- 10)
 - b Which of these living things are crops and which are stock?
 - c Which living things are problems in this story? (pages 1)
- 2
 - a What did the rabbits eat? (page 3 and 6)
 - b What ate the rabbits? (page 3 and 6)
 - c How did both Dalton and Montana use the rabbits? (pages 3 and 6)
- 3
 - a What did Dalton do to solve his rabbit problem? (page 3)
 - b How did he do it so that it wouldn't hurt the wildlife? (page 3)
 - c How would Science knowledge have helped him?

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 - a What living things are found in this farm story? (pages 1-
 - b Which of these living things are crops and which are stock?
 - c Which living things are problems in this story? (pages 5-7)
- 2
 - a Where did the bats live? (page 9)
 - b What did the bats eat? (page 5, 7, 9)
 - c Why didn't people see the bats in the daytime? (page 9)
- 3
 - a What did Ben say was really eating the crop? (page 9)
 - b What did Ben say Deklin should do about the bats? (page 9)
 - c How would Science knowledge have helped him?

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 - a What living things are found in this farm story? (pages 1- 18)
 - b Which of these living things are crops and which are stock?
 - c Which living things had problems in this story? (pages 11)
- 2
 - a Where did the Blue Tongue Lizards live? (page 7)
 - b What did the Blue Tongue Lizards eat? (page 7-8)
 - c How do Blue Tongue Lizards help the farmers? (page 7)
- 3
 - a What did Farmer Fred do when there wasn't enough rain? (page 11)
 - b How would this help when he had some water from the pipeline ?
 - c How would Science knowledge have helped him?

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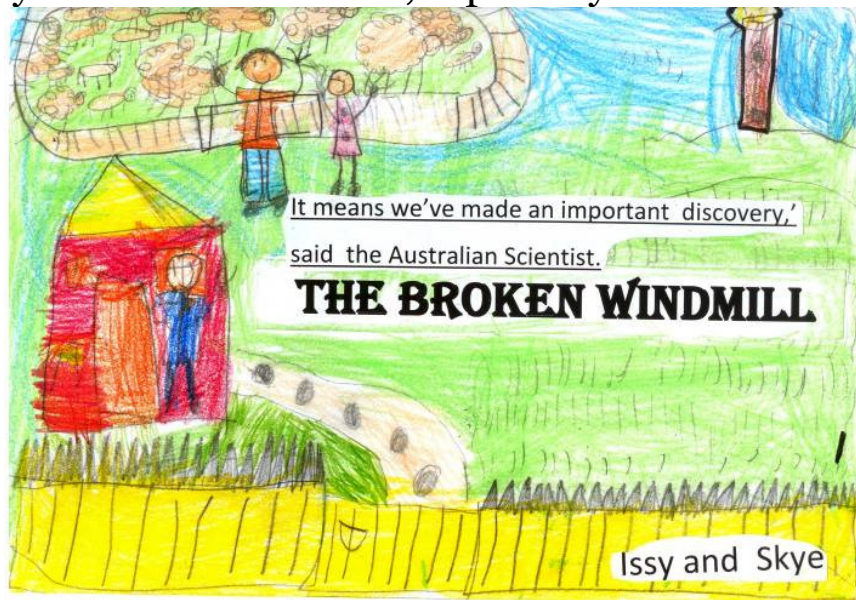
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 - a What living things are found in this farm story? (pages 1-7)
 - b Which of these living things are crops and which are stock?
 - c Which living things had problems in this story? (page 4)
- 2
 - a Where did the sheep live? (page 2)
 - b What did the sheep eat? (page 3)
 - c Where did the sheep get their water? (page 4)
- 3
 - a What did the farmer need a windmill for water? (page 7)
 - b What did the farmer do to make the windmill work again? (4-6)
 - c How would Science knowledge have helped him?

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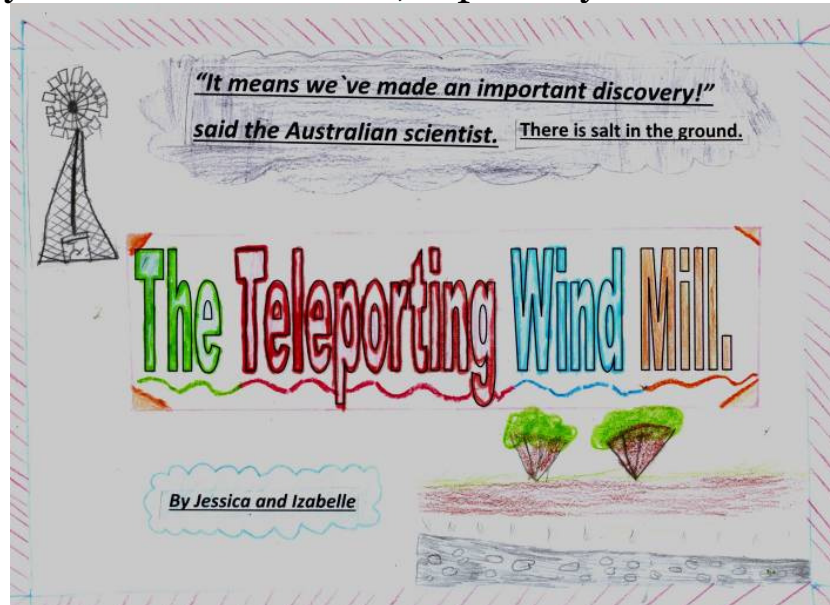
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 - a What living things are found in this farm story? (pages 1- 12)
 - b Which of these living things are crops and which are stock?
 - c Which living things had problems in this story? (pages 1,)
- 2
 - a Where did the salt do to the roses? (page 1)
 - b What signs were there that salt was there? (pages 3 and 6)
 - c Where had the salt in the ground come from? (page 8-10)
- 3
 - a What had people done that made salt become a problem? (page 11)
 - b What do people now do to fight the salt problem? (page 12)
 - c How would Science knowledge have helped him?

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