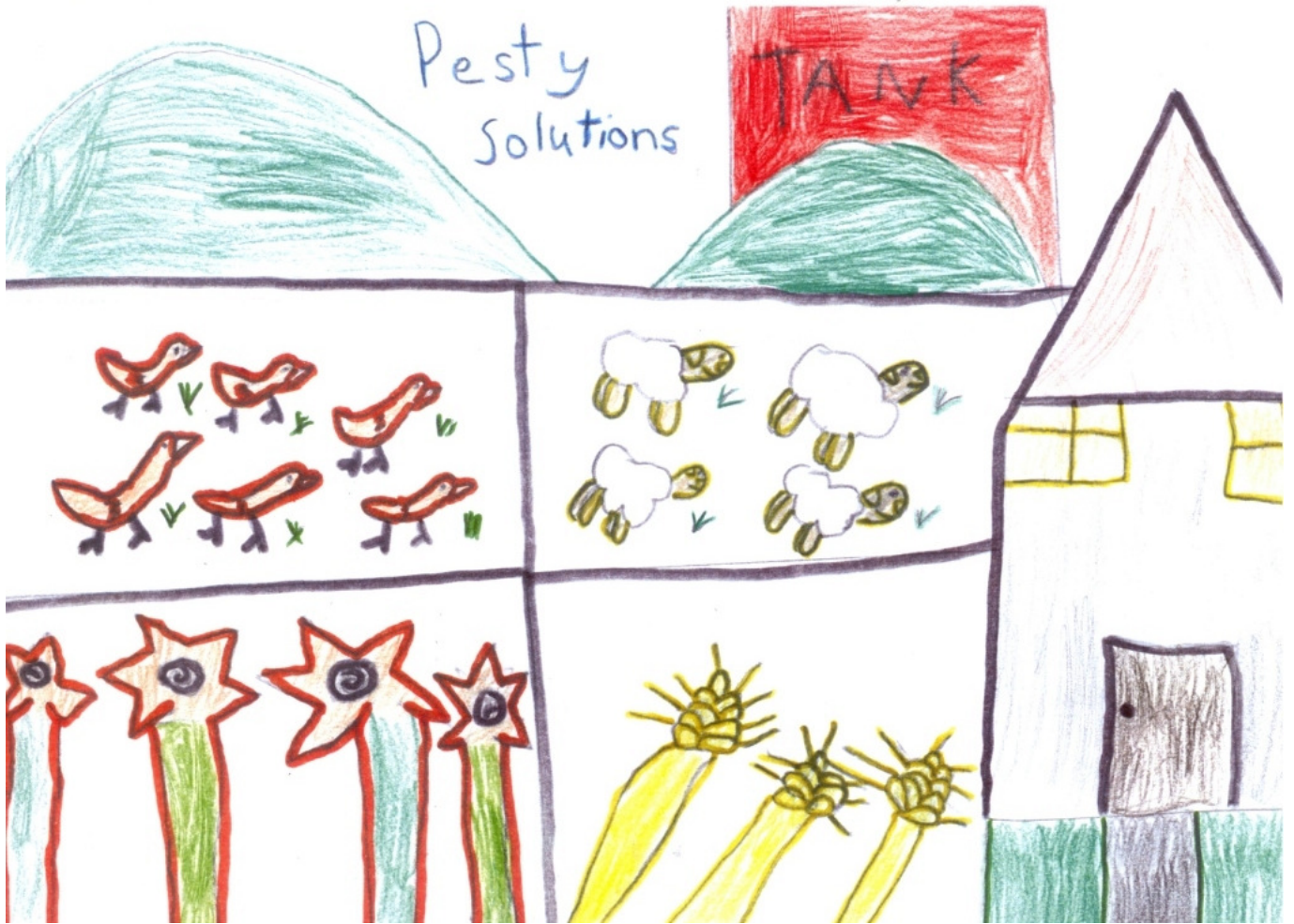


Pesty
Solutions

TANK



"Yes we can farm sustainably on our hilly land," said Montana.

"We can also farm sustainably on our flat land," said Dalton.

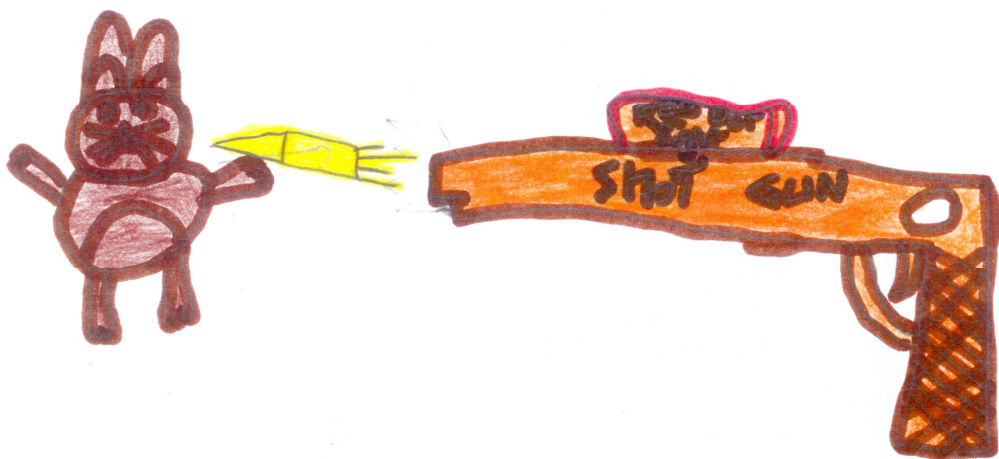
"What kind of pests damage your crops?" said Montana.

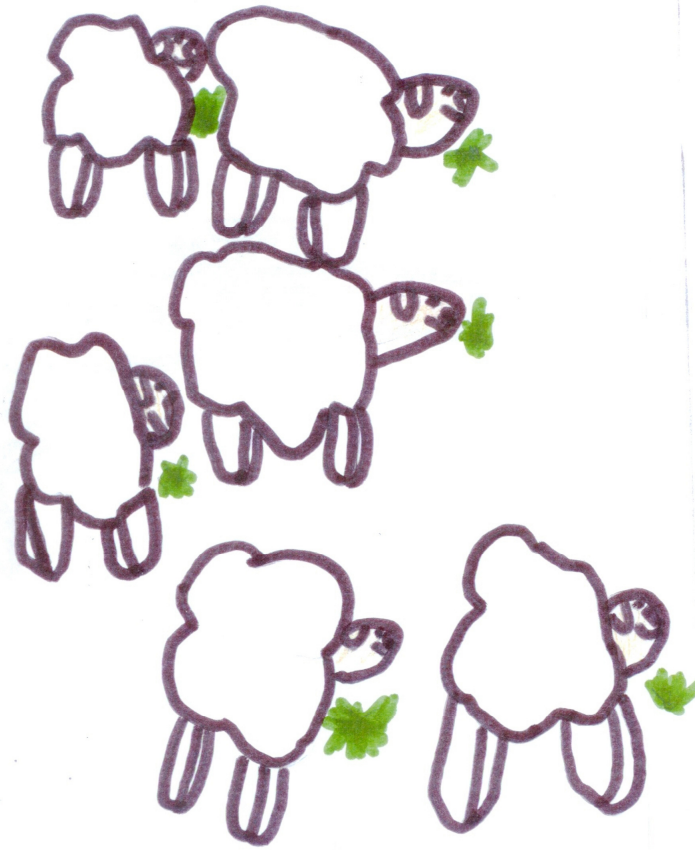
1



"One of my pests is rabbits. They're eating our barley. I shoot them for my working dogs to eat, because if I poison them, then some birds, like eagles, may come and eat them and get sick," said Dalton.

2

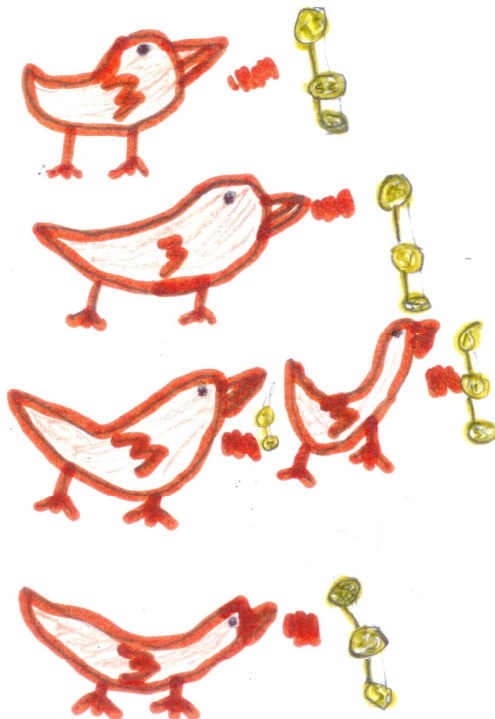




"I would leave poisoned rabbits for the wild dogs to eat instead of eating my sheep. They are a real problem for the sheep. They hide out in the forests so they are hard to find" said Montana.



My other problem is the paddy melons - small gelf ball things that are not native weeds that grow in the sunflower crop. They stop the machinery from crepping and harvesting by getting caught. They take water and make it harder for the sunflowers to grow.

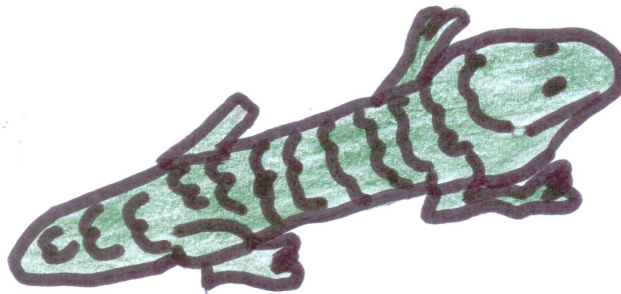


So I let the chickens out to eat the paddy melons. After harvest, I try to dig them out too." Said Montana.

"I'm glad that I didn't have that sort of problem for my crops," said Dalton.

"I am glad that we are looking after nature and stock and crops sustainably," said Montana.

"This also means that native animals like shingle backs have a safe home on our farm" said Dalton



"Yes we can" said the people, "farm sustainably."

Dalton and Montana (Y 4's) Key Science Ideas

about a farm environment

A farm environment has 5 parts land, air, water and living things which are plants and creatures and man-made things.

about what 'sustainably farming' means

To keep something going like crops, stock, plants, creatures and water and land

about plants

Plants need water, sunlight and soil nutrients

about Stumpy Tails

A Stumpy is actually called shingle back and it like hiding under timber and under bushes.

about chickens

Chickens like eat paddy melons. They are the size of a golf ball, but the fruit is not useful.

about sheep

Sheep are good for wool to make warm things. They eat stubble, rotten hay and other thing you don't need.

about barley

Barley is used for food, drinks and food for animals.

about sunflowers

Sunflowers is used for human food and for oils

Written by Montana and Dalton, typed verbatim by Mrs Clark

Bibliography - Our resources

Each student in this class researched the farm on which they or a friend lived:

- observed and recorded its environment by drawings and a table.
- interviewed the farmer about farming sustainably.
- conducted a water and a soil salinity and a soil texture tests.
- used tables and summarised the results for each aspect researched.

These were shared and collated into individual and class references:

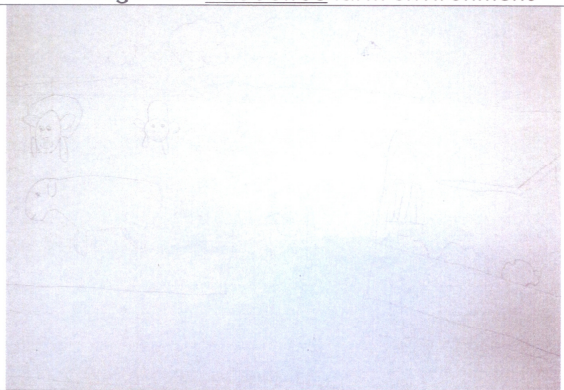
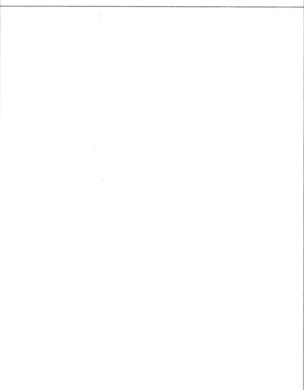
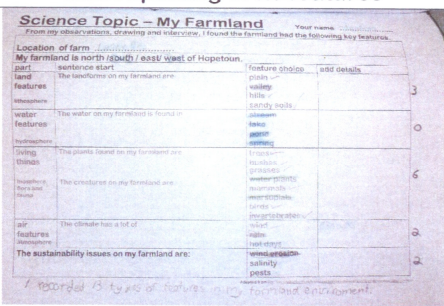
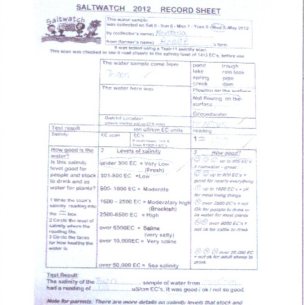
These are the references created by the students in their.

tick if used in story	Resources from classwork in the "Sustainability and our Farmland Environment" unit.	research type	available as a reference
	my farmland environment	drawing	Collated into one page for each student that follows as Reference 1 – My Farmland Environment Research
✓	macro-invertebrates (little creatures) seen on my farmland	drawing	
	my farmland – summary report of the features from each part of the environment	table	
	water salinity from the farm was tested (as part of the Saltwatch program) and reported for its usefulness to the farmer	water tests	
✓	soil salinity and texture tested and reported for its class (usefulness) to the farmer.	soil tests	
✓	farmer interviews meanings of sustainability and sustainable farming how to farm sustainably for crops, stock, nature and specific issues	interview with farmer	in student workbooks
✓	sustainably farming reports table of all replies to interview and summary into one class statement	table for each qn	on School website see Ref 2 below
✓	The story of our land Geological history was modelled in the sandpit and photographed, put into a timeline of stages and made into a class reference book.	landscape history	In school library see Ref 3 books

J. Clark . Science Talent Search. Bibliographv Proforma. 2012

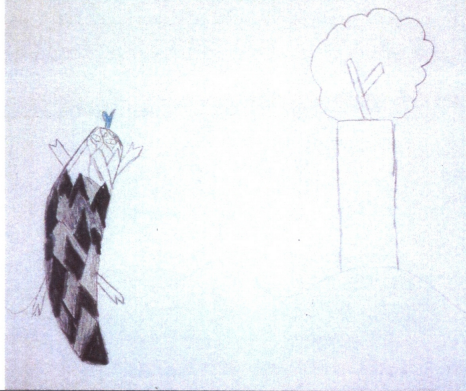
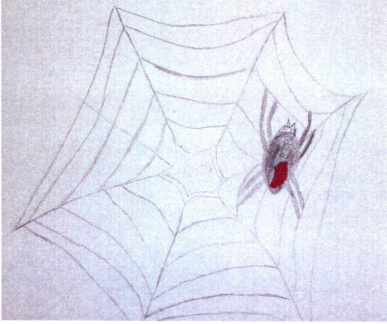
"Yes we can" said the people, "farm sustainably."

Reference 1 – My Farmland Environment Research collected by Montana, year 4

Drawing of the Lascelles farm environment	and its little creatures	and reporting of its features
		 ie 13 features recorded from all parts of the environment
<p>Montana's Water and Soil Tests</p> <p>from home garden in Hopetoun</p> <p>water salinity 170 ECs = low salinity</p> <p>soil texture = sand</p> <p>soil salinity Class 3 = very saline</p>		<p>Montana's interviews contributed to class reports on the school website:</p> <ul style="list-style-type: none"> • definitions, • crops, • stock, • and sustainability issues.

"Yes we can" said the people, "farm sustainably."

Reference 1 – My Farmland Environment Research collected by Dalton, year 4

Drawing of the Hopetoun West farm environment	and its little creatures	and reporting its features
		Dalton joined the class partly through the term. He does have a farm to refer to, but was not present for much of the information gathering.
Dalton's Soil Tests	Did not do his own salinity test	Dalton shared in the collation of all the replies into class definitions that formed the class reports on the school website:
soil from garden soil texture = sandy loam soil salinity Class 0 = not saline		<ul style="list-style-type: none"> • definitions, • crops, • stock, • care for nature • and sustainability issues.

Tick if used for your story	Reference 2 - Bibliography for Web sites
	The following is the list of the website references that were created by the children for this project from their interviews
	Dates and time of access have been left off as all students helped create these resources and they were uploaded on 13 June 2012 to the school website as part of participating in the Australian Year of the Farmer.
✓	"What does sustainability mean?", by St Josephs PS Senior class, 13 June 2012, sourced as sts_sustainability.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"What does sustainable farming mean?" by St Josephs PS Senior class, 13 June 2012, sourced as sts_sustainablefarming.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"What does sustainability mean?" by St Josephs PS Senior class, 13 June 2012 sourced as sts_crops.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"What does sustainability mean for stock?" by St Josephs PS Senior class, 13 June 2012, sourced as sts_stock.pfd at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"What does sustainability mean for caring for nature?" by St Josephs PS Senior class, 13 June 2012, sourced as sts_nature.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"What problems does sustainable farming have here?" by St Josephs PS Senior class, 13 June 2012, sourced as sts_issues.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
	"The Landscape of Hopetoun – how it was made over a long time" by Jeanie Clark, 28 June 2012, sourced as sts_landhistory.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html
✓	"Our Mallee Farmlands – environmental features" by St Joseph's PS Senior class, 28 June 2012, sourced as sts_ourfarmlands.pdf at http://www3.sjhopetoun.catholic.edu.au/sts-resources-2012.html

Tick if used for your story	Reference 3 - Bibliography for Books
	The following is the list of the book references that were available to the children for this project. <i>If you only use a part of these books, add the page numbers at the end</i>
	Clark, Jeanie (2012), " <i>The Landscape of Hopetoun - how it was made over a long time</i> ", St Joseph's Primary School class room publication, Hopetoun.
	Crocombe, Angela (2006) <i>Farming Australia- Grain Farming</i> Binara Publishing P/L
	Dagleish, Sharon (2005) <i>Farm animals- Cattle</i> , MacMillan Education Australia
	Hamilton, Fiona (1994) <i>The Workboot Series – Wheat</i> , The Kondinin Group
	Pelusey, Michael & Jane, (2003) <i>Outback Australia - Life on a Sheep Station</i> Macmillan Education Australia
	Pyers, Greg (2001) <i>Australia's Introduced Plants and Animals – Book4 Mesquite to Rubber</i> . Vine Reed International Books P/L
	Thomas, Ann (1998) <i>Farms – Sheep and Cattle Farms</i> , Macmillan Education Australia
	Thomas, Ron, & Stutchbury, Jan (1996) <i>Feral Animals – Pigs and Goats</i> , Macmillan Education Australia
	Wykeham, Nicholas (1979) <i>Farm Machines</i> . Raintree Children's Books
	Isham, Marion & Steve (2004) <i>Draw Australian Animals</i> . Bandicoot Books, Margate. Tas

J. Clark , Science Talent Search, Bibliography Proforma, 2012

Tick if used for your story	Reference 4 - Bibliography of Class Lessons
	The following is the list of topics in class lessons that could be used as references for their stories:
✓	the Environment and its Features
✓	Sustainability
	Story of our land
	Lunettes – landform, Native Pines and 'Snow Drifts'
	Salinity in Water
	Saltwatch - Water Salinity in our Area
	Soil Salinity and texture
	Rain coming - clouds and processes
✓	Shinglebacks/Stumpy Tailed Lizards and Blue-Tongue Lizards
	Bats especially Micro-bats
	Minibugs – helpers, threats and passers by – including what worms do
✓	Wild Melons – Afghan and Paddy Melons
✓	Our Crops and what we use them for.
	Keeping Stubble, trees and shelter belts- sustainable farming for dry times.

J. Clark , Science Talent Search, Bibliography Proforma, 2012

WORD COUNT for our story = ...225..... words

Acknowledgements

Thank you to those who have helped us in this project by:

✓ if helped	doing what	by whom
	answering our farm interview and other questions for research for our story	Ken Price (My next door neighbor)
✓	scribing our words for us	see the note at the end of the story
✓	typing our draft words for us	Mrs Clark
✓	suggesting better spelling and grammar	Miss Maiden , Mrs Clark
✓	Teaching us how to format our pages	Miss Maiden
✓	teaching us about 'Sustainability and our Farmland Environment'	Mrs Clark