

The APL Assessment Rubric for Unit Titled 'Changing Conditions in the Pig Industry'

Audience: Teachers

STUDENT TASK:

The task is to work in pairs to research, record and collect information about the pig farms; their farm family's use of technologies and science knowledge to house pigs and produce pork, manage the farm; and their farm management practices.

Individually or in pairs, students choose a topic and define their investigation as a type of innovative/ workable/ environmentally appropriate and socially acceptable technology, creation or action that could be considered in changing times on pig farms. Students are to research a topic of their choice and engage in a scientific investigation that is related to their topic.

Students are to think creatively. They might draw a design demonstrating the principles that are at work on the pig farm; re-enact the processes and practices in a role play, podcast or video; communicate the practices using an interview format.

If designing, students are encouraged to try Google SketchUp http://google-sketchup.en.softonic.com/ to create a 3 D design.

If creating a video, students are encouraged to try VoiceThread at http://voicethread.com/

If creating a podcast, students are encouraged to try using Audacity at http://audacity.sourceforge.net/

Alternatively, mash up various media, tying together video, audio, still images and text and create a Glog. See http://www.glogster.com/

Students share their investigation or technology design with other classes.



PROJECT RUBRIC:

Level 4	Level 3	Level 2	Level I
Pairs have created	Pairs have created	Pairs have created	Pairs have created
and communicated	and communicated	and communicated	and communicated
all information about	most of the	partial information	little information
the chosen type of	information about	about the chosen	about the chosen
innovative/ workable/	the chosen type of	type of innovative/	type of innovative/
environmentally	innovative/ workable/	workable/	workable/
appropriate and	environmentally	environmentally	environmentally
socially acceptable	appropriate and	appropriate and	appropriate and
technology, creation	socially acceptable	socially acceptable	socially acceptable
or action that could	technology, creation	technology, creation	technology, creation
be considered in	or action that could	or action that could	or action that could
changing times on pig	be considered in	be considered in	be considered in
farms.	changing times on pig	changing times on pig	changing times on pig
	farms.	farms.	farms.
The content showed	The content showed	The content showed	The content showed
clear evidence of	some evidence of	limited evidence of	little evidence of
research about pig	research about pig	research about pig	research about pig
farms; the use of	farms; the use of	farms; the use of	farms; the use of
technologies and	technologies and	technologies and	technologies and
science knowledge	science knowledge	science knowledge	science knowledge
to house pigs and	to house pigs and	to house pigs and	to house pigs and
produce pork, house	produce pork, house	produce pork, house	produce pork, house
pigs, manage the	pigs, manage the	pigs, manage the	pigs, manage the
farm and undertake	farm and undertake	farm and undertake	farm and undertake
farm management	farm management	farm management	farm management
practices.	practices.	practices.	practices.
Their presentation of	Their presentation of	Their presentation of	Their presentation of
ideas was	ideas was mostly	ideas was somewhat	ideas was not clearly
communicated	clearly and efficiently	clearly and efficiently	and efficiently
clearly and efficiently.	communicated.	communicated.	communicated.
They made creative	They made use of	They made some use	They made little use
use of digital	digital technologies	of digital	of digital
technologies to	to illustrate their	technologies to	technologies to
illustrate their	subject.	illustrate their	illustrate their
subject.		subject.	subject.
They were able to	They were able to	They were able to	They were able to
answer all questions	answer most	answer some	answer few
asked.	questions asked.	questions asked.	questions asked.