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 1
Pairs have created and communicated all information about the chosen type of innovative/ workable/ environmentally appropriate and socially acceptable technology, creation or action that could be considered in changing times on pig farms.	Pairs have created and communicated most of the information about the chosen type of innovative/ workable/ environmentally appropriate and socially acceptable technology, creation or action that could be considered in changing times on pig farms.	Pairs have created and communicated partial information about the chosen type of innovative/ workable/ environmentally appropriate and socially acceptable technology, creation or action that could be considered in changing times on pig farms.	Pairs have created and communicated little information about the chosen type of innovative/ workable/ environmentally appropriate and socially acceptable technology, creation or action that could be considered in changing times on pig farms.
The content showed clear evidence of research about pig farms; the use of technologies and science knowledge to house pigs and produce pork, house pigs, manage the farm and undertake farm management practices.	The content showed some evidence of research about pig farms; the use of technologies and science knowledge to house pigs and produce pork, house pigs, manage the farm and undertake farm management practices.	The content showed limited evidence of research about pig farms; the use of technologies and science knowledge to house pigs and produce pork, house pigs, manage the farm and undertake farm management practices.	The content showed little evidence of research about pig farms; the use of technologies and science knowledge to house pigs and produce pork, house pigs, manage the farm and undertake farm management practices.
Their presentation of ideas was communicated clearly and efficiently.	Their presentation of ideas was mostly clearly and efficiently communicated.	Their presentation of ideas was somewhat clearly and efficiently communicated.	Their presentation of ideas was not clearly and efficiently communicated.
They made creative use of digital technologies to illustrate their subject.	They made use of digital technologies to illustrate their subject.	They made some use of digital technologies to illustrate their subject.	They made little use of digital technologies to illustrate their subject.
They were able to answer all questions asked.	They were able to answer most questions asked.	They were able to answer some questions asked.	They were able to answer few questions asked.