

## ***Airport Video Answers***

**Thursday 11 September 2014**

### ***1. Developing Land near the Airport***

Project Manager Dean Christie shows you some CIAL owned property that is currently under development.

1. How much land does CIAL own?
  - About 780 hectares.
2. What examples does Dean give relating to commercial use of the land?
  - Freight, logistics, vehicles, storage.
3. What was this area once used as?
  - A dump.

Next step learning: Read more about property development on the CIAL website <http://www.christchurchairport.co.nz/en/doing-business/property-opportunities/>.

### ***2. CIAL Property Development***

Project Manager Laurie Corbett gives you an overview of land that has already been developed.

1. Where are you now?
  - Dakota Park.
2. Some of the tenants are logistics companies. What is logistics?
  - Sending freight overseas or bringing it into the country.
3. Water is stored in a large tank for use in fire sprinkler systems? How much can be pumped out of the water tank per minute?
  - 9,000 litres.

Next step learning: Figure out the maths problem that Laurie gives you.

### ***3. Managing Stormwater***

Find out why it is so important to manage stormwater around Christchurch International Airport.

1. What are the big bags for that sit in the stormwater drains?
  - They trap large particles like leaves and fine sediment that has contaminants in it.
2. What is being looked for when the groundwater at this location is being monitored?
  - Fuel.
3. What captures contaminants if there is a fuel spill so that it doesn't enter the groundwater?
  - An interceptor.

Next step learning: Do some further investigation on groundwater.

#### **4. The Airport Fire Service**

It's time to visit Airport Fire Services and go for a blat in one of their big fire trucks!

1. "Fire 4" can do 0-80km/hr in how many seconds?
  - 13.
2. How much water per minute can it pump out?
  - 5,400 (it can carry 12,345 litres).
3. You turn onto the second runway. When is this runway used?
  - When there is a north-west wind.

Next step learning: Write a job description for an AFS crew member.

#### **5. Wildlife Control**

Wildlife Officer Ian Stothers shares with you some methods for reducing the likelihood of bird strike.

1. What is the minimum amount it costs if a plane hits a bird in the air?
  - \$1000,000.
2. How far does the first gun shoot?
  - 50 metres.
3. How far does Ian's favourite gun fire and how much does it cost each time it is shot?
  - 500 metres up in the air | \$50.

Next step learning: Investigate more about aircraft bird strike.

#### **6. Field Trip Summary**

Join Andrew back at the Christchurch Airport terminal and reflect on the week you have had learning about how an airport is run.

Next steps:

1. Check out some parts of the *Airport* web site that you haven't had the chance to yet.
2. Email Andrew [andrew.penny@core-ed.org](mailto:andrew.penny@core-ed.org) and let him know how you have been using the website – he would love to see some examples of your work!
3. Summarise an audioconference you listened to and email it to Andrew to be displayed on the website.
4. Help your teacher complete the field trip evaluation and get it sent in by 3 October for a chance to win the field trip prize.