

Memorial Park 2 Video Answers

Wednesday 14 May 2014

1. The Home of Compassion Crèche

Listen as Mathew Tonks gives a rundown of the reasons why this historic building is being preserved and included as part of the Memorial Park.

1. When was the The Home of Compassion Crèche built?
 - 1914.
2. What is a crèche?
 - A place where children are looked after (like a day care).
3. Why have some parts of the crèche been put in storage?
 - So they don't get damaged during the move.

Next step learning: Find out about historic buildings near you that have been preserved.

2. Preparing to Move The Home of Compassion Crèche

Meet Site Engineer Htut Win and hear about how the team are planning to move the crèche in one piece to its new home.

1. What is used to cover the brick walls for the move?
 - Fiberglass mesh reinforcement.
2. Where are the wooden joists?
 - In the floor.
3. What is the next part of this job to be done?
 - Lifting and shifting.

Next step learning: Find out about techniques used in building that give strength to a structure.

3. Moving The Home of Compassion Crèche

Htut Win describes the process of moving the Home of Compassion Crèche.

1. What material is on top of the "runway" beams?
 - Stainless steel.
2. What have surveyors checked and made sure about on the runway beams?
 - That they are level.
3. What are the blocks made of that have contact with the stainless steel (that covers the top of the runway)?
 - Teflon.

Next step learning: Do some further research into the methods used for shifting whole buildings.



4. Management of Stormwater and Groundwater

Meet Michelle Knapstein and hear how groundwater and stormwater is managed around the underpass.

1. What could groundwater do to the underpass walls if it wasn't drained away?
 - Put too much pressure on them.
2. What does the gravel do?
 - Help the water run down the side of the underpass and into drainage pipes.
3. What are the manholes connected to?
 - The stormwater system.

Next step learning: Do some investigations on stormwater and groundwater management in the town that you live.

5. The Use of Geographic Information System (GIS)

Katherine Heays explains how GIS is used for creating stormwater and drainwater systems around the underpass.

1. How does Katherine describe what GIS does?
 - Mapping out what will be done on site before construction begins.
2. What do land contours tell Katherine?
 - Where rainfall will run and end up.
3. What is a catchment?
 - A place where water collects from the surrounding area.

Next step learning: Investigate more about the use of GIS.