

## **Memorial Park 3 Video Answers**

**Thursday 13 November 2014**

### **1. What Memorial Park will Look Like**

Look at an artist's impression of the finished product in the Memorial Park Alliance information centre with Russell Scoones.

1. What are the retaining walls being used for?
  - To help "step up" the park between the higher and lower surfaces.
2. Why does the paving need to be done so evenly?
  - So water doesn't pond on the surface when it rains.
3. What are the pavilions for?
  - Shelter from wind and rain.

Next step learning: Visit [Park Designs & Development](#) for more images to give you an idea of what Memorial Park will look like when it is finished.

### **2. Landscaping with Hard Materials**

Russell Scoones takes you around the park construction site to look at some of the current projects under construction.

1. Why are the concrete panels made off-site?
  - It makes the on-site construction process faster and easier.
2. What are the concrete panels being used for?
  - To create terraces (as a way to solve the elevation difference between the ends of the park compared to the middle).
3. Why is the concrete put under the paving stones fibre-reinforced?
  - To make sure the paved area remains flat over time.

Next step learning: Investigate more about the use of concrete in construction. You might like to watch some videos from *Memorial Park 2* which looks at the use of concrete during the tunnel construction phase.

### **3. Tree Pits**

Michelle Knapstein talks through an area in the park currently being prepared for planting.

1. How do the plastic structures help?
  - Give support for the paving around the tree and stops tree roots uplifting the paving.
2. What are the two sets of pipes for?
  - Irrigation (watering the plants) and drainage.

Next step learning: Find an area in your school that could benefit from some planting. Sketch what the planted area could look like then create some plans, including what trees you would use and maybe even include a concrete element.

#### **4. Rain Gardens and Environmental Design**

Michelle explains what a rain garden is and how it is helpful for the environment.

1. The garden bed has a special “media” in it. What does this do?
  - Filters out sediment and other contaminants.
2. Michelle describes this type of design as what?
  - Low impact.
3. Why is the relationship between the catchment area and the size of the rain garden important?
  - The rain garden has to be big enough to handle the amount of water likely to accumulate there after rain.

Next step learning: Investigate how new developments in your town are taking into consideration the environment within their plans.

#### **5. Field Trip Summary**

Andrew recaps the field trip week.

1. Check out some parts of the *Memorial Park 3* 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 by 4pm Friday 12 December 2014 for a chance to win the field trip prize.