



student activity

Name: _____

Teacher: _____

School: _____

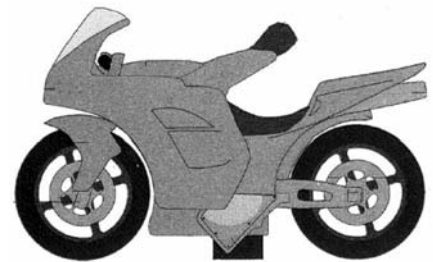
Primary Science Essential Learnings

Years 4 and 5

S&HE 5-3 Science can help to make natural, social and built environments sustainable and may influence personal human activities.

Years 6 and 7

S&HE 7-2 Scientific knowledge can help to make natural, social and built environments sustainable, at a scale ranging from local to global.



Primary Science Syllabus Outcomes

Years 4 and 5

Science & Society 3.3 Students make predictions about the immediate impact of some applications of science on their community and environment, and consider possible pollution and public health effects.

Years 6 and 7

Science & Society 4.3 Students present analyses of the short- and long-term effects of some of the ways in which science is used.

Standard Achieved

Extension

Draw a diagram of your home and label as many things as you can think of that show how the environment has been cared for in its design and construction.

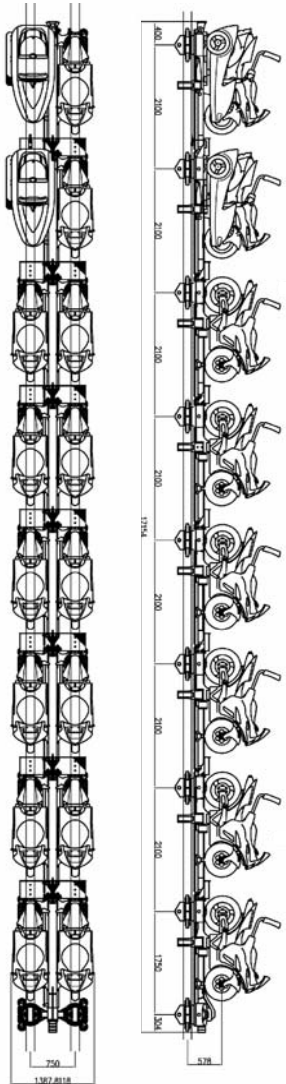
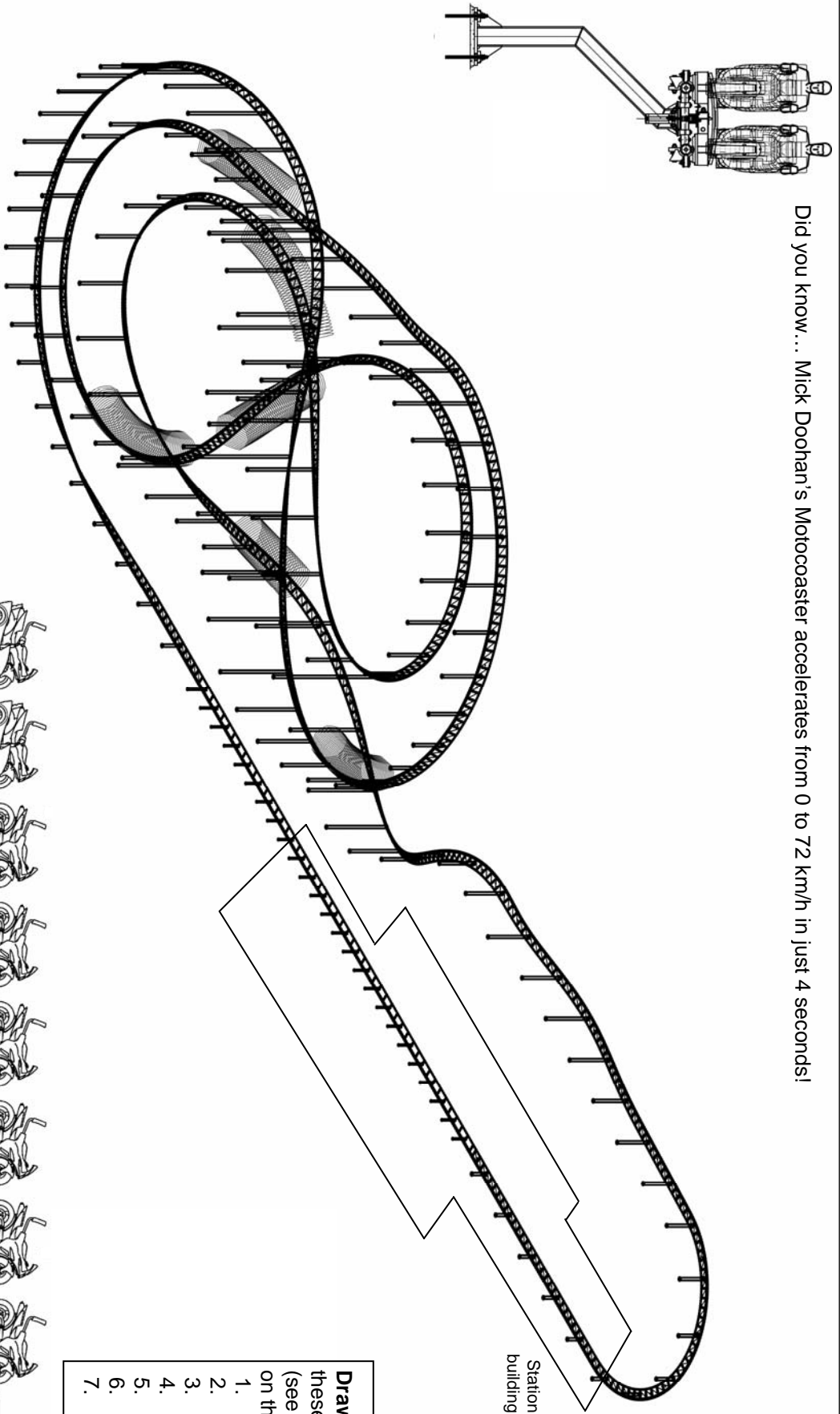
As you line up to ride Mick Doohan's Motocoaster, look for the two big blue watertanks in the track area. Trace the pipes back from the tank. Where does the water to fill the tanks come from?

Dreamworld is designing a new brochure for tourists to show how the environment has been cared for in the design and construction of Mick Doohan's Motocoaster. Here are some ways:

1. **Trees** – Trees have been left inside the track area.
2. **Water tanks** – Two blue water tanks have been installed in the track area.
3. **Plants** – Landscaping has been completed around the ride to complement the lagoon setting
4. **Oil** – The ride is driven by rubber wheels under the track. Biodegradable oil is used to drive the wheels. If any of this oil leaks, it will not harm the natural environment.
5. **Mulch** – All vegetation that was cleared from the site to make room for the ride was mulched and spread over the gardens.
6. **Roof** – Insulated panels are used in the roof of the station to keep the area cool.
7. **Equipment** – The equipment to drive the ride is located under the station. This reduced the area of the ride and meant that less vegetation had to be cleared.

Dreamworld has asked you to assist by **drawing** and **labelling** these features as accurately as you can on the diagram over the page.

Did you know... Mick Doohan's Motocoaster accelerates from 0 to 72 km/h in just 4 seconds!



Draw and label these features (see explanations on the first page):

1. Trees
2. Water tanks
3. Plants
4. Oil
5. Mulch
6. Roof
7. Equipment