

AUCKLAND
DOCKLINE
TRAM

SUSTAINABILITY



Introduction

As part of our commitment to the community of Auckland, we take great pleasure in hosting school visits to the **Dockline Tramway**.

To enhance school visits and to provide a clear education focus we provide topic specific units, with relevant **information** and on-site **student activities**.

The topic units range across **primary**, **intermediate** and **secondary** school and teachers can select those suitable for their students. Activities have been developed with the **curriculum skills** in mind.

Although the over-all approach, in terms of subject is broadly cross-curricular, units are currently provided with links to the following subject areas:

- Science
- Social Sciences
- Technology
- Geography

We also have plans in the future for topic units with links to Art, History of Art and Classical Studies.

Also provided is **background material** on Auckland's trams and tramway network. A 10 minute video showing the history and impact of the tramway system is available to be shown, in the barn, on request.

All educational resources may be downloaded free. Any feedback on how we may further assist you with our educational resources would be much appreciated.

Compiled by Susan Walker & David Maciulaitis
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Photographs by David Maciulaitis unless otherwise stated



**WYNYARD QUARTER
AUCKLAND WATERFRONT**


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ACTIVITY - Sustainability and planning in the Wynyard Quarter

Do our trams play a part in this?

As the world's population grows, increasing demand is placed on our natural resources.

Conservation and cleanliness of our green spaces, salt and fresh water, air and soil are vital. We also need to look after our native plants and animals, heritage sites, buildings and vehicles, such as trams.

Living in such a way so as to preserve these valuable resources for the future, is called **living sustainably**.

Most New Zealanders are very aware of this issue. In the designing of the Wynyard Quarter, Waterfront Auckland has made some positive steps towards **sustainability**.

Listed below are brief descriptions of **10 design features** that contribute to sustainability in the Wynyard Quarter.

Also below are **photographs** of these **10 design features**.

It is your job to firstly **match** each **design feature** with the **correct photograph**.

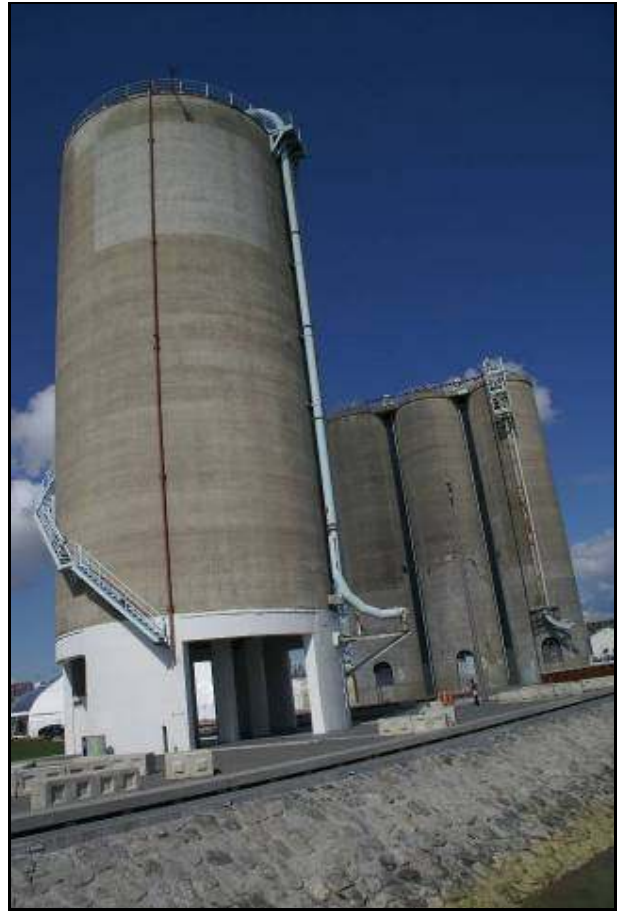
Write the **correct description** from the list under each photograph.

- Renewable energy powering public transport
- Surface water irrigating gardens
- Old constructions preserved for a new purpose
- Roof design channels water into storage
- Recycled material in building construction
- Converting heritage buildings to a new use
- Planting cleans the air and encourages native birds
- Energy efficient building by use of natural light
- Encouraging public to recycle rubbish
- Planting to cleanse water



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Each of these design features makes a small contribution towards preserving our environment. Collectively they make a significant contribution towards achieving sustainability in the Wynyard Quarter.



Jot down any ideas you have for using these or offer design features to contribute towards sustainability at school or at home. The next step would be to discuss your ideas with your teachers, parents or caregivers.