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Sustainable House Tour

Meet at the Sustainable House – Redlynch Valley Estate.

This home is positioned to view the catchment area and the surrounding natural habitat.

- 1) Talk to the students about the local catchment area. Point out Copperlode Dam and discuss the water cycle, and the use of water within the catchment.
- 2) Discuss the surrounding natural habitat and the cycle of water. How is the water connected to the surrounding rainforest, waterways and reef systems in Tropical North Qld?
- 3) Talk about Water Demand Management and why it is important to conserve water in this region.
- 4) Tour the Sustainable House and talk about sustainable design including
 - Gas boosted solar hot water systems
 - Good cross ventilation
 - Water flow inside the house
 - Recycling
 - Lighting and windows for natural light
 - Energy performance appliances
 - Rain water tanks
 - Irrigation systems
 - Water efficient gardens
- 5) Talk about water usage in the home. Walk around the house and discuss ways to conserve water in the home. I will present some activities based on water consumption. Students will work in groups and present their ideas.
- 6) Talk about waste management and the services of waste in the local area. Talk about waste and recycling in the home and methods of reducing the amount of waste reaching landfill.
- 7) Discuss wastewater. What is wastewater? Where does the wastewater go? What are some ways we can reuse the wastewater? Present activities and students can work in groups to discuss the answers.
- 8) Talk about wastewater and the natural environment. Introduce the Cleaner Seas Initiative to the students and discuss the benefits of using recycled water for gardening and industry needs.

Sustainable House will be available for tours between April & June 2008

- This presentation will range from 45 – 60 minutes.
- Schools are responsible for own transport to the Sustainable House.
- Students and teachers can then visit Crystal Cascades for lunch after the tour.

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