

WATER CONSERVATION

ACTIVITY	NUMERACY	PERSONAL DEVELOPMENT	WORK RELATED	LITERACY
MULCH	Cost per sq. metre Price comparisons Transport costs Weight / blowability in wind	Students work in teams to develop a plan for a garden bed. Justify choices Qualities/features of different mulches discussed.	OH&S issues identified and students introduced to safe work practices for: - Lifting - Sun protection - Allergies	Students write letters to: - Council - Newspaper - Invitation to guest speaker from local water board - Reading for information about water use and conservation.
WATER TANKS	Volume, ratio & weight. Roof area calcs. Gov't rebates for water storage & conservation measures. Quotes of tanks. Cost per megalitre stored Strength tests Rainfall data	Attend Elmore Field Days. Consider/debate health aspects of: -tank water -fluoridation -chlorination Work with a community group to provide tanks for disadvantaged group.	Investigation regarding installation of tanks. Work placement with a water tank installer.	Read brochures advertising water storage and warranties for different tanks. Develop and produce information brochures and/or Power Point about -Concrete vs. plastic or metal tanks
WATERING SYSTEMS	Scale drawing of system plan. Calculations of materials required. Costing pf materials. Evaporation rates.	Recreational vs. residential use of watering systems. New housing development design that consider minimal water requirements. Work with a community group to reduce water use in a community garden.	OH&S issues identified and students introduced to safe work practices for: -Lifting -Sun protection	Research into watering systems using magazines, journals, internet. Investigate use of grey water or recycled treated sewerage. Brochure / Power Point outlining features of a watering system.