

CSEP PROJECT CASE STUDY No.9
Sennen School



CEP Lead officer and team	Neil Farrington
Location of project	Sennen school, near Lands End, Cornwall.
Project description	Designing, creation and construction of a combined Solar PV and wind powered installation to power two water pumps in newly developed garden all centred on an environmental theme. Water jets allow children to compare heights of jets with the strength of the wind and the power of the sun. The project is equipped with a solar status monitor and a wind logger for data collection.
Partners	Consulted: CSEP, CEEAC, Creative partnerships Sennen School(all teachers and pupils), Geevor Tin Mine, Cornwall History Society , Cornwall Wildlife Trust, Chy Bath Residential Home and the MET office.
Value of project / Funding & Grants received:	Total Project cost ~ £6,500 Kick Start Award funded £500 Community learning Chest ~ £753.89 The rest of the funding came from SEED and the Energy Saving Trust.
Measurable Outcomes	The variation of the intensity of sunlight in comparison with the performance of the pumps. The same applies with the wind turbine speed.
Wider Benefits of the scheme: (social, environmental, economic)	<ul style="list-style-type: none"> • Use of renewables in everyday setting. • Clear and fun educational tool. • Garden enhancement.
Issues encountered	The funding did not come in as early as proposed, but available resources were used to complete the project. The parts of the project that involved the local artist seemed to prolong the completion for the project.
Key Lessons:	Renewable Energy Demonstrations can be every educative and easily adaptable to young people.

	In this particular project the pupils and teachers are being involved in data collection that will be useful in the future (E.G. for weather reports to the local village website & parascending club).
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14 July 2006