

First prize winners for Oliphant Science Award 2010, Alys Messenger and Benedick Dijumadi designed, built and programmed a **smart chip talking bin**



Year 7 students, Alys and Benedick from Goodwood Primary school entered into Oliphant science award 2010 and won first prize beating Lego etc. They designed, built and programmed the smart bin using the ezSystem software (which the writer Rachita only started learning at university).

When the rubbish is dropped into the bin, a light sensor detects the falling litter to activate the microchip controller which says "Excellent!" to thank the bin users.

The talking bin project was designed to promote proper waste disposal.

By learning ezSystem, these students are getting a head start. Uni students wished they had the opportunity to learn ezSystem in primary school.

ezSystem makes microchip programming simpler in order to harness creativity to boost productivity and innovation in South Australia. Not only is this SA technology easy to use, it reduces the time taken to program microchips from weeks to just hours!!! It is also used to advance Science Technology Engineering Maths (STEM) Education & Employability Enhancement.



Rima, a 12 year old student from Ascot Park Primary School, helped university marketing students Thomas (Left) and Joon Jun (Right) to understand how easy it is to use the ezSystem.

We welcome all students who are interested in innovative projects such as the **talking bin** and encourage them to join and register for the **International Robotics & Creativity Competition at the 2011 Royal Adelaide Show (RAS)!!**

After all, we don't want to be one step behind & become the victim in the **lion story...**

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