**1st: Timothy Hanna, Sydney Boys High School, *Fuel for thought - Leaves for fuel?***

Timothy’s project studied the effectiveness of sodium alginate enzyme immobilisation of cellulase and a novel synergistic use of the enzyme catalase, on the ethanol content from the cellulosic material of leaf litter. His project has practical applications in the development of biofuels as we could potentially use the synergistic enzyme of catalyse to increase ethanol yield from any cellulosic material and immobilise enzyme to cut the costs of producing ethanol without sacrificing ethanol content through allowing the mixture to ferment more.