3D PRINTED BELT DRIVEN SPORTS CARS

By Jamie Mazetti, TAS Teacher at William Clarke College in Sydney.

Jamie Mazetti shared the following information and photos from some of his students after they finished this project.

"One of the projects that Year 8 Design and Technology were working on this year at William Clarke College was 3D modelling a vehicle body shell, with the end goal of making it work with the Belt Driven Car Kit from Scorpio Technology.

Students were introduced to using CAD for the first time and over a term developed the CAD model completely from scratch, 3D printed it and then assembled it together with the kit. The body shells were sketched off a side view of an existing vehicle of their choice, then extruded to create a 3D body shell.

The challenging part of this task was designing the body shell to achieve the desired aesthetic and also house the components from the kit in a way that enables all the parts to work together. This was a challenge that required a lot of time, planning, problem solving and attention to detail – all which Year 8 had stepped up to."