

STEM Shark Tank 2018

The AGHS STEM Team initiated and developed two whole STEM days within term 2 2018. Year 8 students participated in STEM in the library where flexible furniture allowed for higher student engagement and authentic learning to be facilitated. Six STEM teaching professionals demonstrated strong collaboration skills in managing the program success.

- The design brief provided to students was to 'develop a product that improves AGHS in one or more of the following aspects: Educationally, Aesthetically, Socially, Emotionally'
- Students were randomly allocated to teams to challenge their collaboration and communication skills.
- Each team had to manage their team roles and finances, developing entrepreneurial skills to design and produce a product using only recyclable materials.
- The community open night showcased student work in a 'Shark Tank' format

Science outcomes	SC4 - 5WS (WS 5.3) SC4 - 8WS (WS8 ABC)	SC4 - 9WS (WS9 A>D) ES3 (A,B,D,E)	
Mathematics outcomes	MA4-1WM MA4-2WM	MA4-3WM MA4-5NA	MA4-6NA MA4-12MG
TAS outcomes	4.1.1, 4.3.1	4.2.1, 4.6.2	

Statement of impact

STEM Academy facilitated significant teacher passion, professional development and collegial collaboration that led to the substantial success of the project. The STEM program at Asquith culminated in a highly successful community entrepreneurial showcase. STEM has clearly been established as a subject that motivates students to engage in the future focused skills of creativity, critical thinking, collaboration and communication. Project success has gained whole school support justified timetabling STEM as a subject into teaching and learning in year 8 in 2019.

For more information

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