

# Year 1 to 4

Students Tune Into  
Holiday Workshops



# Students Tune Into Holiday Workshops



Sheldon College recently held three Holiday Technology Workshops for students in Years 1 to 10. Students immersed themselves in the evolving worlds of programming, design, engineering, robotics and radio technologies.

Years 1 to 4 students learnt about the engineering of bridges and supporting design principles. Students created prototypes of different bridges before collaborating with their peers to construct a 6-metre route including 4 bridges, for their programmed Spheros, a spherical robot, to navigate across. The young engineers constructed Beam, Truss, Suspension and Cable-Stay bridges along with coding the Sphero's speed, rotation, distance and time using tablets and laptops.

The 3D Printing Fidget Spinners Workshop

gave students in Years 4 to 8 the opportunity to dive into lessons on symmetry, tolerances, principles of Physics that apply to spinners such as rotation principle. The students designed their 3D Spinner using software program TinkerCAD and managed the printing of their solutions using 3D Printers. Students explored what it takes to design a unique spinner and then put their knowledge into practice and manufactured their own bespoke Fidget Spinner.



**07 3206 5505**

[enrolments@sheldoncollege.com](mailto:enrolments@sheldoncollege.com)

Taylor Rd Sheldon Qld 4157

PO Box 1188 Capalaba Qld 4157

[sheldoncollege.com](http://sheldoncollege.com)

