

Lume Excursion

On Thursday the 6th of June, select year 7 students and the year 9-10 Wide World of Mathematics students, attended an excursion to The Lume Melbourne. The purpose of the excursion was for students to investigate the connection between mathematics and art. Students met outside The Orchard at 8:45 am and travelled by bus to The Lume at the Melbourne Convention and Exhibition Centre. On arrival at The Lume, students formed small groups to explore with. Students were immersed by images of art by Leonardo da Vinci projected onto the walls and ceilings of the rooms by 143 projectors.



Students were able to view and interact with some models of Leonardo da Vinci's inventions, such as the Vertical Flying Machine, Covered Cart for Attacking Fortifications, Multi-Directional Gun-Machine, Giant Crossbow, Double Flute, a model of The Ideal City, Hammer Driven by an Eccentric Cam, Automatic Blocking Mechanism and Ball Bearings. Students were also able to participate in hands on activities such as building an Emergency Bridge with small wooden posts and drawing in the design studio. Students also viewed various reproductions of the Mona Lisa with different optical filters to show the different light wavelengths in the painting. Students also viewed and interacted with the Vitruvian Man activity, learning about the perfect proportions and ratios of the human body.



Maths and Art are connected everywhere we look. The Vitruvian Man is a piece of art that shows a man fitting inside a circle and square to show the perfect proportions and ratios of the human body using geometry and mathematics. The Ideal City uses geometry, symmetry and engineering with architecture to design the ideal city that would offer the best services for its citizens and prevent the future spread of disease.