STEM for Humanity 2023
Designing Solutions for the Common Good

When

Session 1 – STEM education, Capabilities, Catholic Social Teaching & Design Thinking
Thursday 23rd February
(2.30pm – 4.30pm)

Session 2 – Engineering, Design, Physical & Digital solutions, Tools
Thursday 2nd March
(2.30pm – 4.30pm)

Session 3 – Design Inquiry Process, the 'E' in STEM, designing for disadvantage & real world issues
Thursday 9th March
(9.00am – 4.00pm)

Equivalent to 2 days PL

Where

Sessions 1 & 2 Online – Webinar details and edited recording sent to all registered participants.
Session 3 – Engineers Australia
Level 31/600 Bourke Street Melbourne

Who should register

Middle year's classroom teachers, specialist teachers and leaders from Primary and Secondary Schools

Cost

Nil

How to register

Register via the CEVN website
https://cevn.cecv.catholic.edu.au
in the Online Professional Learning (OPL) application by
Monday 20th February 2023

Overview

STEM education creates critical thinkers, increases science & engineering literacy, and enables the next generation of innovators; leading to new products and processes that sustain and develop our society and economy. This innovation and STEM literacy depends on a solid knowledge base in the STEM areas combined with the capabilities of effective communication, critical and creative thinking.

Schools are encouraged to plan and design stimulating, multidisciplinary inquiries, which focus on the challenges of disability, disadvantage and sustainability, as highlighted by Pope Francis in his ground-breaking encyclical, 'Laudato Si': on care for our common home'.

Description:

This hybrid professional learning activity is held in conjunction with Akorn Education, and guest speakers from CECV Strategic Partner and other organisations, which provide STEM-based expertise and educational opportunities. The program will promote and reinforce the principles of Catholic Social Teaching through the lens of '*Designing Solutions for the Common Good'*.

Whilst each session will have a major focus, the program will also have a scaffolded through-line, modelling the workflow of the design thinking process. Themes will include Catholic Social Teaching, empathetic engagement, Engineering Design Process, hybrid Design Process, Capabilities Curriculum, STEM of products, services & Sustainability; culminating in planning, designing and prototyping material and digital solutions.

Sessions include synchronous and asynchronous experiential online and face-2-face workshops and opportunities to plan and co-create innovative inquiries for students to act motivated by social justice.

Register for this activity in OPL via the CEVN website

Activity Name	STEM for Humanity: Designing for the Common Good
Activity Code	23SCI500A
Activity Date	23rd February; 2nd March; 9th March 2023
Closing Date	Monday 20th February 2023
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