



St. Joseph's School STEM Vision

STEM involves learners being presented with unfamiliar experiences, providing opportunity to transfer Art, Science, Mathematics, Technology skills from the known to the unknown in order to find solutions and make connections.

In line with the Australian Curriculum and the Living Learning Leading Framework, What does STEM look like at St. Joseph's School Ottaway?

Junior Primary:

- Small groups collaboratively working with each other, focusing on specific skills and specific teaching following the lead from the children
- Construction Group Work
- Little Scientists Program: water, Engineering
- Scratch Junior Ipad App, beebots
- Ipads for Junior Primary and Preschool

Middle Primary:

- Small groups of children working collaboratively together to solve problems: explore, play, design, challenge tasks, rotation groups
- Scratch, Minecraft: Digital Technologies
- Beebots: Integrate Literacy and Numeracy
- Living Learning Leading Framework links; Key Capabilities:
 - Literate, Numerate and effective Communicators
 - Spiritually Aware and inspired by Faith
 - Self-aware, Collaborative and Socially Adept
 - Intercultural and Globally Minded
 - Knowledgeable, Inquisitive and Innovative
 - Confident and Careful Creators and Users of ICTs
 - Moral, Compassionate, Ecologically Aware
- Living Learning Leading Framework links; Intentional Curriculum:
 - Australian Curriculum Content Standards
 - Key Capabilities
 - Early Years Learning Framework
 - Content Knowledge and Skills
- Living Learning Leading Framework links; Formative Experiences Inspired by Catholic Faith:
 - Recognising and Nurturing the gifts of all in the Community

Upper Primary:

- Inquiry learning using Lego EV3
- An integrated approach to learning
- Living Learning Leading Framework links; Key Capabilities:
 - Literate, Numerate and effective Communicators
 - Confident and Careful Creators & Users of ICTs
 - Moral, Compassionate, Ecologically Awar