



Why STEM?

What is STEM?

STEM is an acronym for Science, Technology, Engineering and Mathematics. It is a way of learning that encourages children to explore, observe, ask questions, predict, experiment and 'think outside the box'. STEM-based education is a curriculum that is driven by problem solving, discovery and exploratory learning.

Why is STEM Important?

Our knowledge of how children learn has grown substantially over the last few decades. We now understand that success in learning requires the child to be at the center of the experience, making connections across disciplines and contextual settings. Children need to be presented opportunities to learn the same material in different settings and from different perspectives

What is an Example of STEM Curriculum in Preschool?

Theme: Bridges

- Learn about engineers and construction workers
- Read and act out the Three Billy Goats Gruff story as a class
- Explore the mechanics of a draw bridge with a pulley and levers
- Experiment with building bridges using cups, playdough, straws, toothpicks, etc.
- Compare heights, lengths and strength of different bridges constructed in class