



RESOURCE CATALOGUE

**EARLY CHILDHOOD
EDUCATION**

STEAM Eploration & Learning

**Hands-on Learning
Tools**

**Classroom-ready and
easy to implement**



www.stembuildersjm.com



ABOUT THIS CATALOGUE

This catalogue presents carefully crafted STEAM (Science, Technology, Engineering, Arts & Mathematics) resources tailored for children aged 3–6. Each resource nurtures play-based exploration, igniting curiosity, creativity, and foundational problem-solving skills using safe, developmentally appropriate materials.

EVERY ACTIVITY:

- Supports early childhood learning objectives
- Requires minimal teacher preparation
- Adapts easily to varied abilities
- Works for both individual and small-group settings



What's Inside:

- Hands-on STEAM exploration kits
- Ready-to-use classroom resources
- Integrated cross-curricular learning materials



RESOURCE CATEGORIES

Science Exploration Kits

Created for curious young learners to investigate, discover, and test their ideas through hands-on exploration.



**CHILD-SAFE
MICROSCOPES**



**COLOUR MIXING
& EXPERIMENT
KITS**



**SAFETY EQUIPMENT
(LAB COATS &
GOGGLES)**



**SENSORY TUBES
(CALMING, COLOUR,
SOUND, AND
MOTION)**



**NATURE
EXPLORATION
TOOLS**



**VOLCANO AND
DINOSAURS KIT**

***Best For: Discovery corners, Small-group science activities and Sensory-based exploration**

RESOURCE CATEGORIES

Early Engineering & Mathematics Sets

Hands-on construction resources that allow young learners to design, build, test, and rebuild.



**INTERLOCKING
BUILDING
BLOCKS**



**MAGNETIC
TILES**



**GEOMETRIC
SHAPE PUZZLE
BLOCKS**



**WOODEN GEOBOARD
MATHEMATICAL
MANIPULATIVE**



**COUNTING AND
COLOR
SORTING KIT**



**BALANCE AND
STRUCTURE-
BUILDING KITS**

***Ideal For: STEM and STEAM learning centres, Small-group collaboration, Guided building challenges, Free-play construction time.**

RESOURCE CATEGORIES

Creative Arts & STEAM Integration

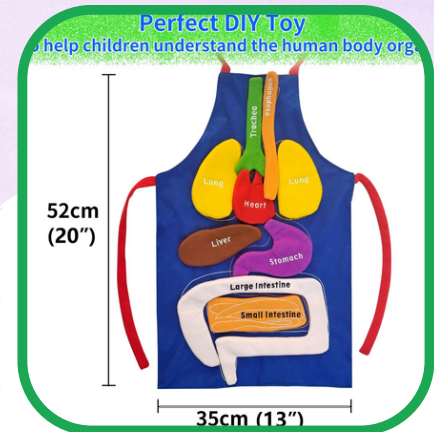
Integrate creativity with science and engineering through hands-on art exploration.



**LIKKLE
EINSTEINS STEM
STORY SERIES**



**WOODEN PUZZLES
(ALPHABET,
NUMBERS AND
PATTERNS)**



**HUMAN BODY
3D ORGAN APRON
TEACHING AID**



**ANIMAL PRE-
PRINTED CANVAS
FOR PAINTING**



**COLOUR & TEXTURE
EXPLORATION
SENSORY KIT**



**SENSORY SLIME
EXPLORATION
KIT**

Best For: Integrated STEAM lessons, Project-based learning, Creative expression



What Each Resource Includes

EACH STEAM RESOURCE COMES WITH:



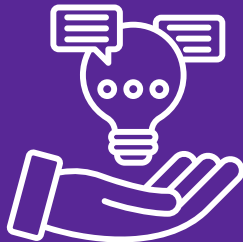
ACTIVITY GUIDE
FOR TEACHERS



LEARNING
OBJECTIVES



ENGAGING
DISCUSSION
QUESTIONS



DIFFERENTIATION
TIPS



EXTENSION IDEAS



RECOMMENDED
VOCABULARY

STEM Builders Learning Hub STEAM resources are designed to integrate seamlessly into the early childhood curriculum.

Each activity takes 20-45 minutes and can be used during indoor or outdoor exploration time.



SKILLS DEVELOPED THROUGH OUR RESOURCES

Early exposure to STEAM concepts builds essential skills that extend far beyond science and math:



COGNITIVE DEVELOPMENT:

Critical thinking, creativity, and problem-solving through questioning and experimentation. Children learn to ask "why" and "how," make predictions about outcomes, and test their ideas through hands-on exploration.



SOCIAL-EMOTIONAL GROWTH:

Collaboration and confidence building through shared discovery and hands-on success. As children work together on STEAM challenges, they practice communicating ideas, listening to peers, and solving problems as a team.



PHYSICAL DEVELOPMENT

Fine motor skills strengthened through manipulating materials and tools. STEAM activities require children to grasp, pour, stack, connect, and manipulate various objects, which develops hand-eye coordination and dexterity.



Why Educators Choose Our Resources

- ✓ Designed by experienced educators
- ✓ Hands-On & Play-Based
- ✓ Supports Curriculum Goals
- ✓ Adaptable Across Learning Levels
- ✓ Age-Appropriate & Safe



“Our approach is simple: young children are natural explorers who learn through doing. These resources harness that innate curiosity, turning play into discovery and wonder into understanding.”



Get in Touch

Send us a message →

