Tinker Space provides an array of different building materials and blocks to allow little hands to create structures and contraptions in an exciting environment. Tinker Space is also the home to Amazing Airways, a free standing jumble of connected tubes. Children feed colored balls into the startig box, where a fast moving air current pushes them through a series of twists and turns until the balls emerge to drift back to Earth. Visitors can use valves to change the airflow, teaching children about pneumatics and movement.

**KEY WORDS**

- Engineering - ⚙️
- Dimensions - 🌎
- Architecture - 🏛️
- Technology - 📡

**LEARNING ACTIVITIES**

CREATE a pattern of red, yellow and blue. Repeat that pattern 3 times. How many legos does it take to make this pattern? (Math + Cognition)

Challenge your preschooler to EXPERIMENT with building straws. Can they make a tall skyscraper? How about a rounded top for the building? (Math + Physical Development + Social Emotional)

Using Amazing Airways, OBSERVE together how the balls move through the tubes. ADJUST the air directions and PREDICT which way the balls will come out after each adjustment. Ask your preschooler how do the balls move through the tubes? (Math + Self Regulation)

**EARLY LEARNING STANDARDS**

Sample of:

S.p.4.1: Describes and compares the effects of common forces (e.g., pushes and pulls) on objects and the impact of gravity, magnetism and mechanical forces (e.g., ramps, gears, pendulums and other simple machines).

CL.SL. P3.3: Uses some basic qualitative (e.g. wet/dry, hot/cold) and quantitative (e.g. more/less, empty/full) concepts to describe familiar people, places, things and events.

CL.SL. P4.1: Demonstrates an emerging command of the conventions of standard English grammar and usage when writing or speaking.

Click HERE to review all Kansas and Missouri Learning Standards