Bringing Stories to Life with Robots!

Welcome to the Magical Robot Fairytale Workshop!
In this playful STEM + literacy activity, children will use robots to explore classic fairytales. In today's story, the Big Bad Wolf meets modern tech!

Children will:
Reimagine the story of The Three Little Pigs using simple coding and building tasks.
Collaborate in teams to build houses and program a robot "wolf".
Develop problem-solving, teamwork, and basic programming skills through storytelling.
"What if the Big Bad Wolf had wheels and sensors? Let's find out!"

Story Setup: Build the Pigs' Houses

Materials: LEGO duplo blocks (or similar), marked tape/paths, drawing materials

Objective: Each team builds a house for one pig (straw, sticks, bricks), using different materials or LEGO colour codes.

Prompt: "Which house will keep the robot wolf out?"

Robot as the Big Bad Wolf
Robot: Dash / Tale-Bot / any programmable bot
Setup: Mark paths toward each house

Group A: Builds and defends houses
Group B: Programs the robot wolf's path
Optional: Add speech prompts to the robot:
"Little pig, little pig, let me in!"

Inclusive
Robotics

Discussion Prompts for Teachers

- Which house was the strongest and why?
- How did your team collaborate?
- What problems did you solve using coding?

Learning Outcome 4: Children are confident and involved learners

Children engage in investigation, experimentation, and problem-solving by designing and building houses and coding robot pathways.

Children develop dispositions for learning such as curiosity, confidence, creativity, persistence, imagination, and critical thinking.

Children adapt their strategies based on challenges encountered during robot navigation and house construction, showing flexibility and resilience.

Communication

Inclusive Robotics