

# FaceBot - Tangible STEM & Robotics Set

## E17.1 TEACHER'S GUIDE

This **FaceBot - Tangible STEM & Robotics Set** is specially designed for Preschool students of ages 5-7. It provides a unique coding concept by introducing the new FaceBot, a constructional bot-car that can have click-on different "faces". Through the "faces", kids are engaged more through story telling and real-life scenarios. This buildable robot includes 2 dual sensors (can be used as proximity or colour) along with 2 ENGINO® motors, and the iconic ERP MINI controller. This controller has onboard buttons to allow manual programming as a first step into algorithmic thinking, but is also programmable with our KEIRO™ software. The set comes with tangible programming tiles which children can connect like a puzzle and physically see their code. An ingenious board game is included to challenge kids with different decision paths and help them visualize their solutions before transferring the code to the App and drive the robot. The other side of the board game has a line-following track with coloured stations that empower conditional statements! Extra parts are included in the set to create individual models besides the FaceBot.



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