

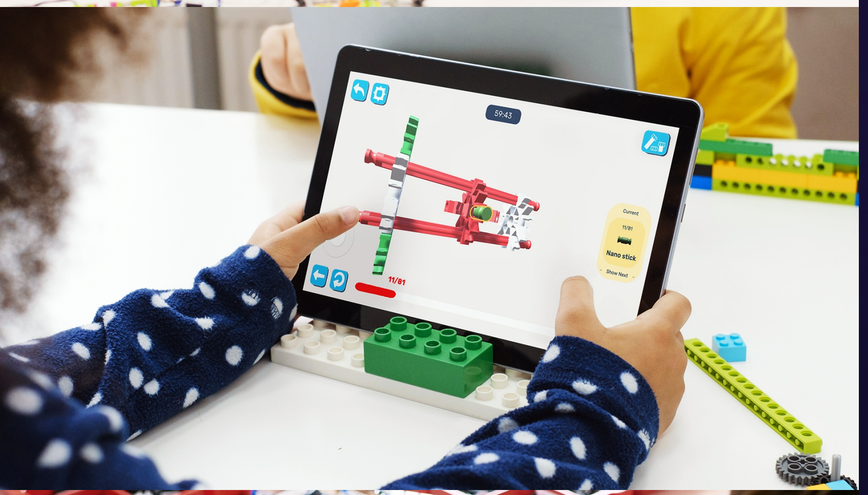



THE PROBLEM

Toy building workshops in schools required a tool that would make it easy to repeat instructions to multiple children and keep students engaged while supporting learning activities.

SOLVED BY

A mobile application designed to support model building activities using LEGO-like construction pieces.
The app combines guided building experiences with interactive minigames, while providing teachers administrative tools to manage educational content.

OUR ROLE

Technical Direction
App Development
Game & Interaction Design
UX/UI Design
Minigame Development
Technical 3D Modeling
Localization (Including Support for RTL languages)
Content Management System
Teacher Panel / Backend Integration

STEP-BY-STEP MODEL EDITOR

Teachers are able to create models using the 3D pieces replicas of the physical pieces, and the app will generate step by step animations for students to follow.

PLAY AS A LEARNING ENGINE

A collection of minigames was developed to keep students engaged during building sessions, offering short fun experiences that maintain attention and motivation between activities. Including Maze, Sheep Count, Find the Differences and Puzzles

TEACHER IN CONTROL

A dedicated teacher mode and backend system allow educators to create, edit and manage construction models and minigames, enabling flexible workshop customization based on different lesson needs.

Juniortech Toy Builder

Toy Building Mobile App for Children

PLAY VIDEO

JUNIORTECH

BRANDED GAMES
LIVE EXPERIENCES
INTERACTIVITY
AR / VR / XR

READY TO START THE GAME?
www.adenxr.com