

Math Outside the Box

Engage children with math through fun and instructive challenges

Problem

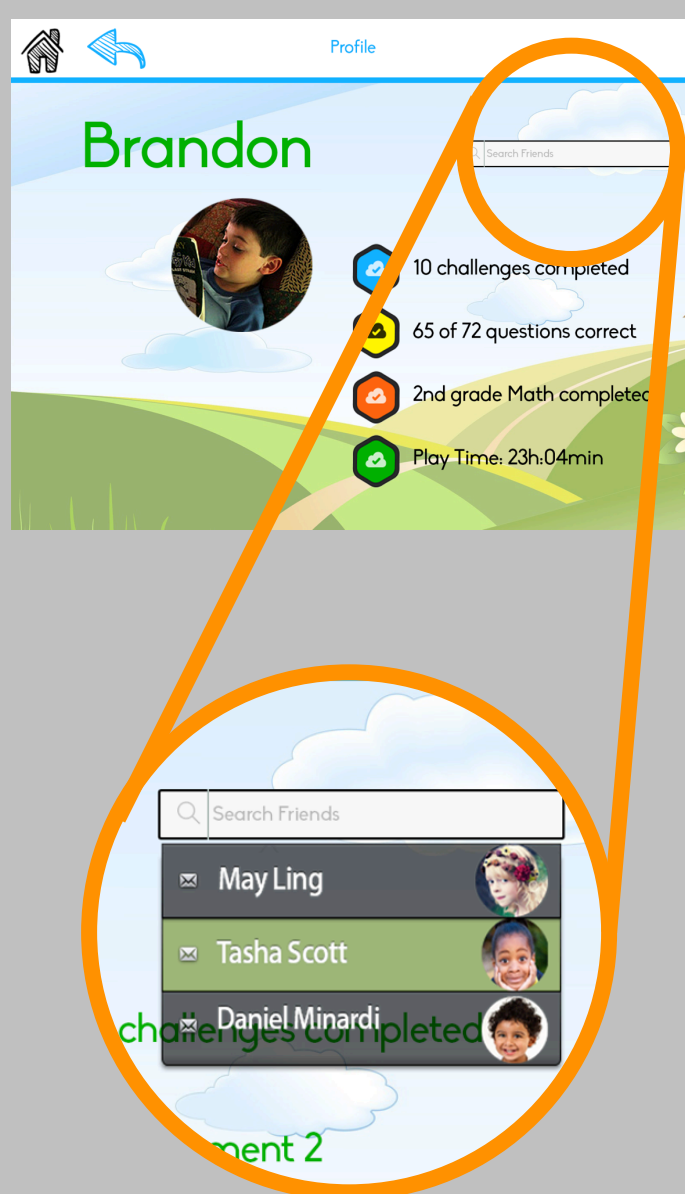
- Children are not interested in math problem sheets at school, but the real world applications like calculating batting averages for famous players!

Our Solution

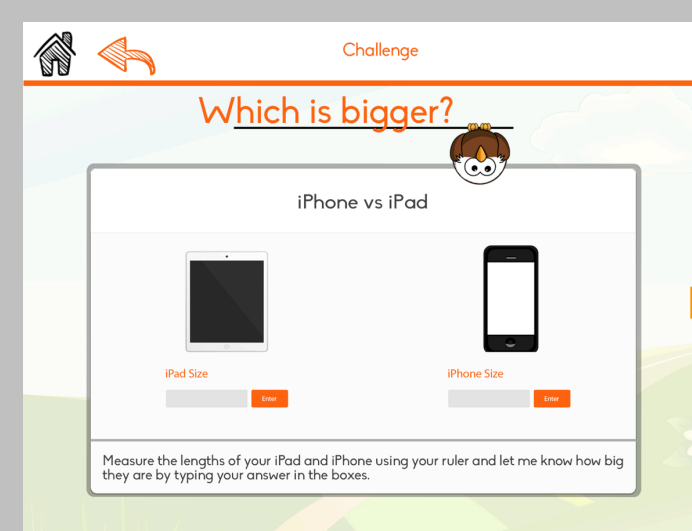
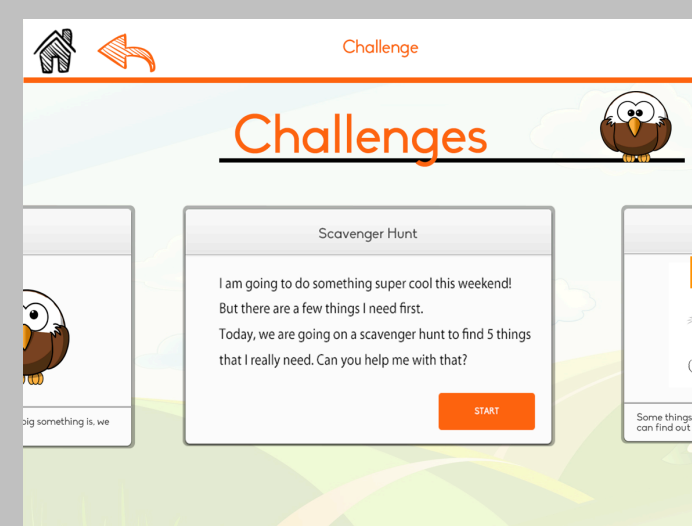
- Let children use math while interacting with their surroundings to connect their math concepts to the practical environment



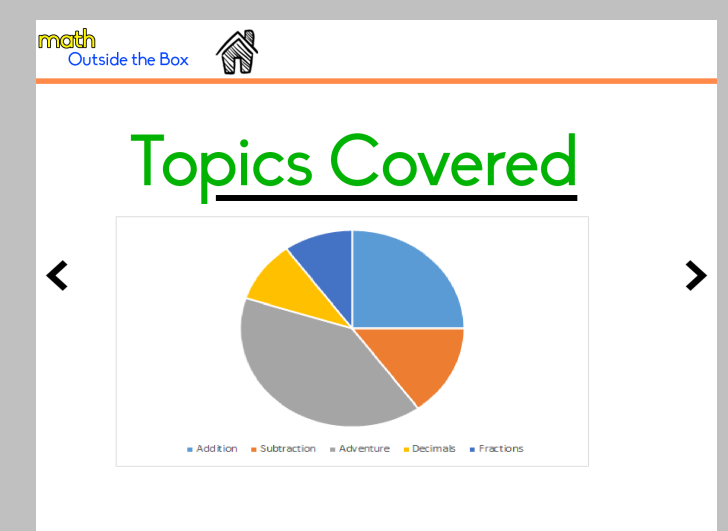
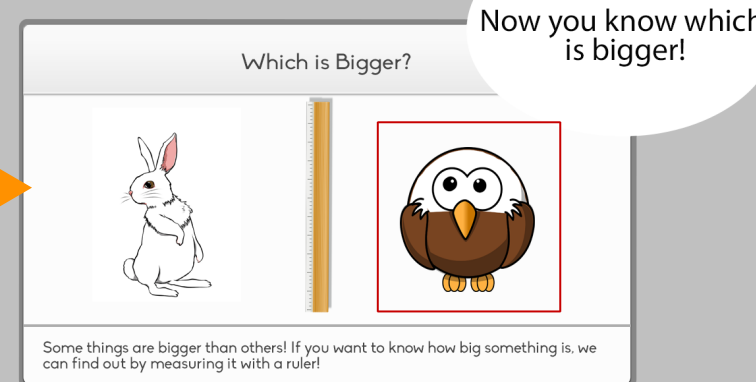
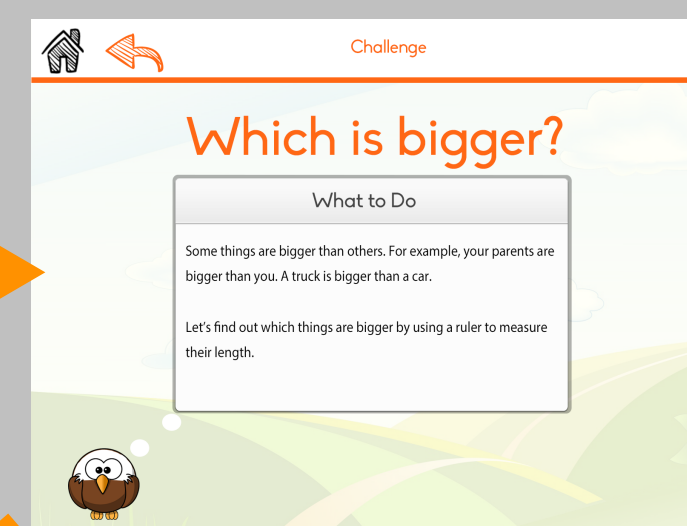
Math Outside the Box



Profile



Challenges



Feedback

Key Features

- Fun Challenges:** math + real-world tasks
- Positive Competition:** motivate with records of peers
- Parental Support:** performance feedback for parents

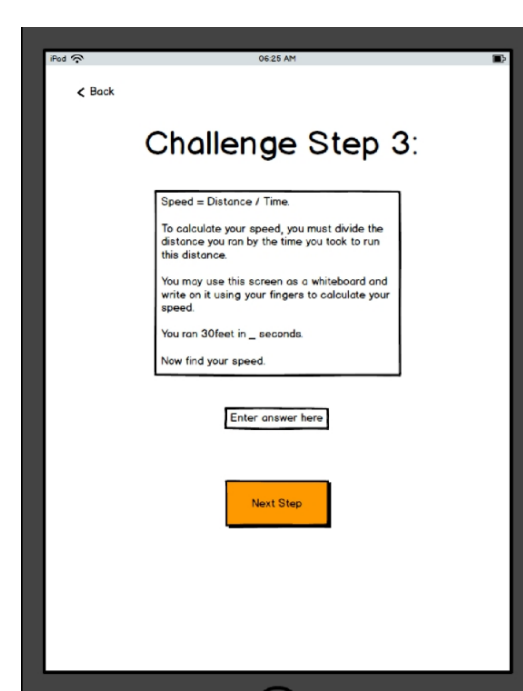
Iteration & Evaluation

- Continuous reformation from concept video to hi-fi prototype
- User testing on low-fi prototype
- Heuristic evaluation on med-fi prototype

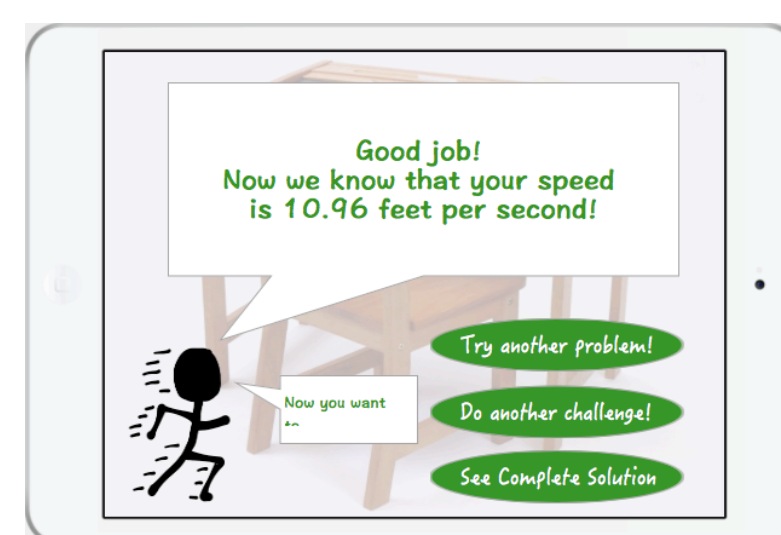
Design Evolution



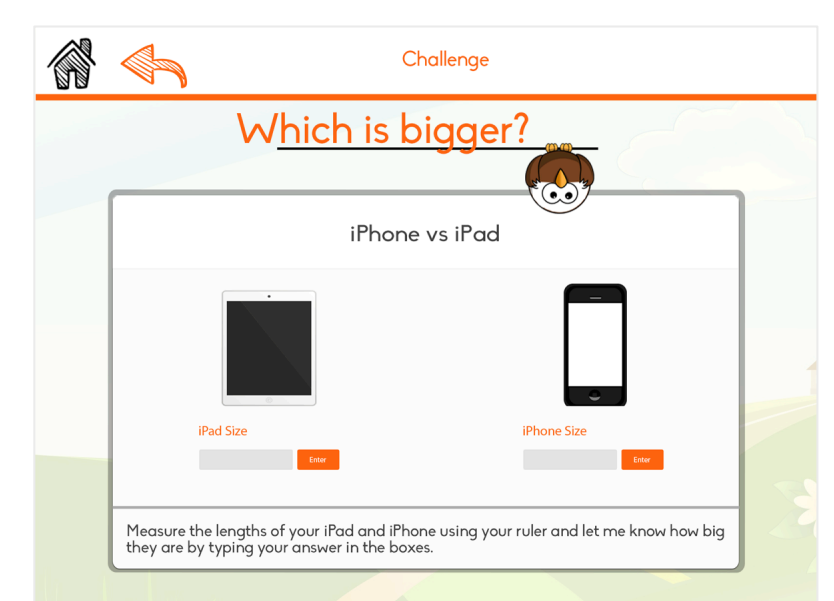
Concept Video



Low-fi



Med-fi



High-fi