

Computational Thinking in K-12 Education

Azerbaijan's Experience

Shaya Zarkesh

“Students must take
control of their
own learning”

Yahya Tabesh



Prototypes

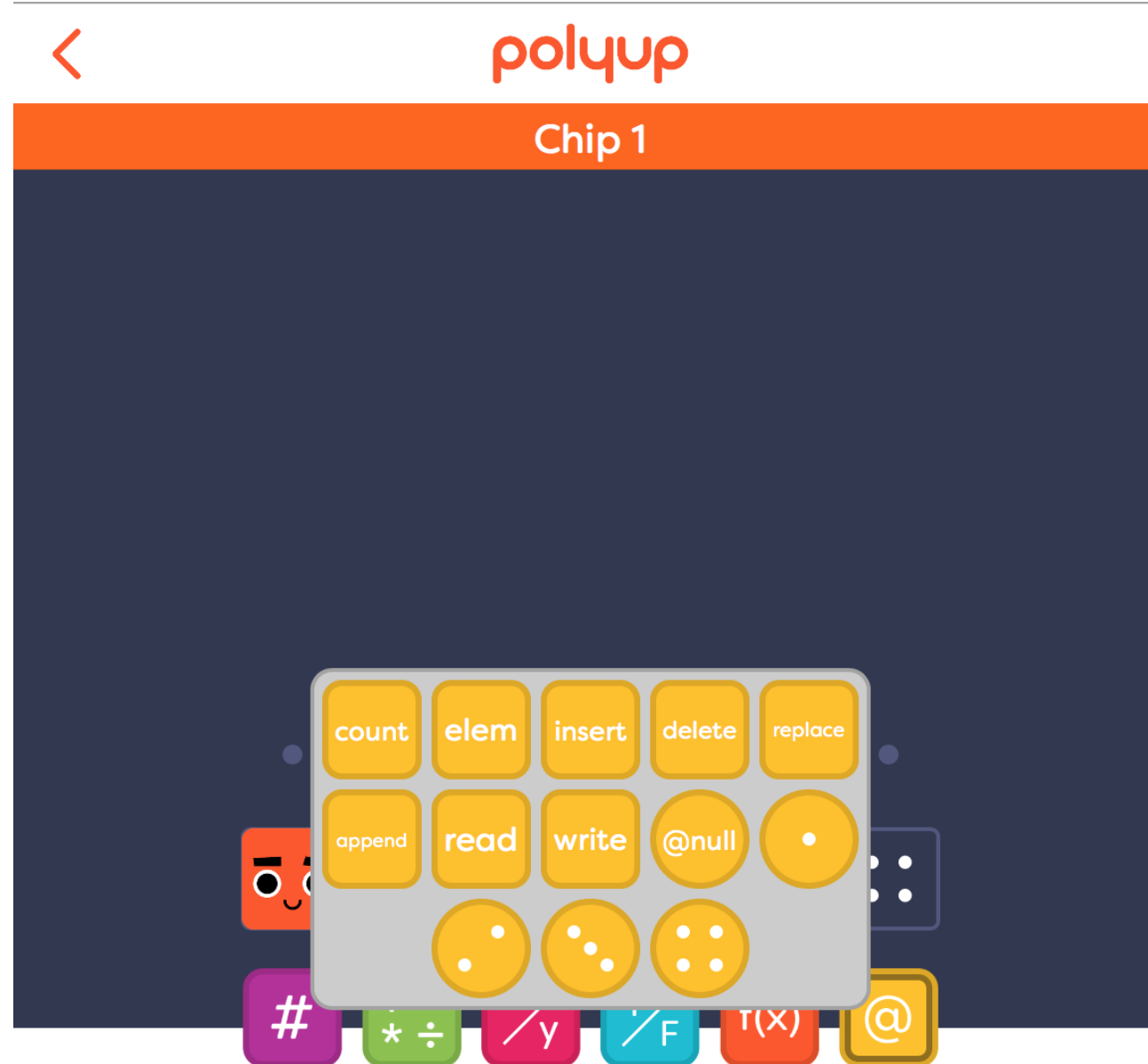


Computational Thinking Playground

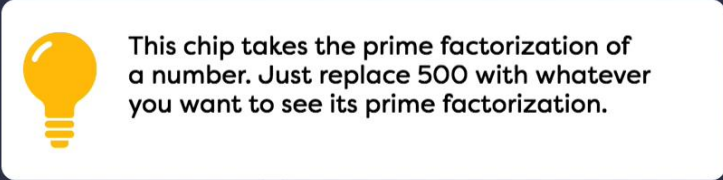
for K-12 July'18




Aspects of the Polyup Platform



Mod Chip 01



 This chip takes the prime factorization of a number. Just replace 500 with whatever you want to see its prime factorization.





100,000+
Students & Teachers



200,000,000+
Learning Polycoins

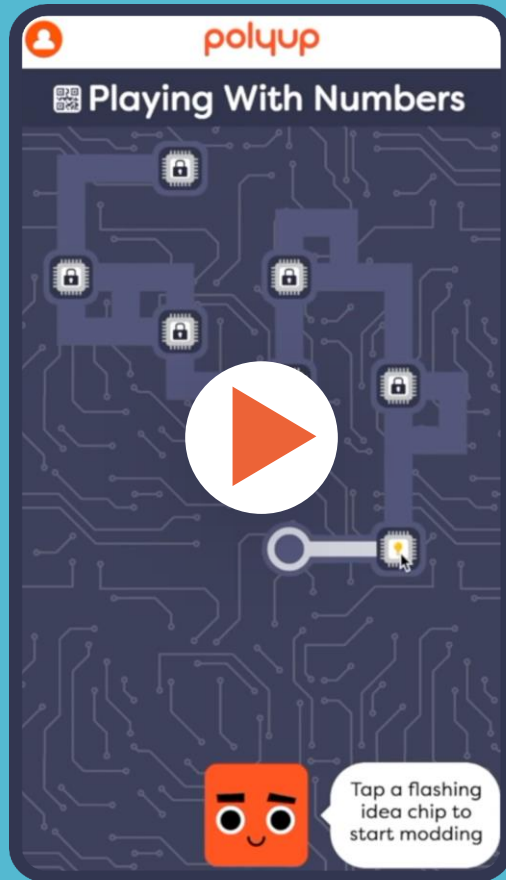


800,000+
Problems Authored



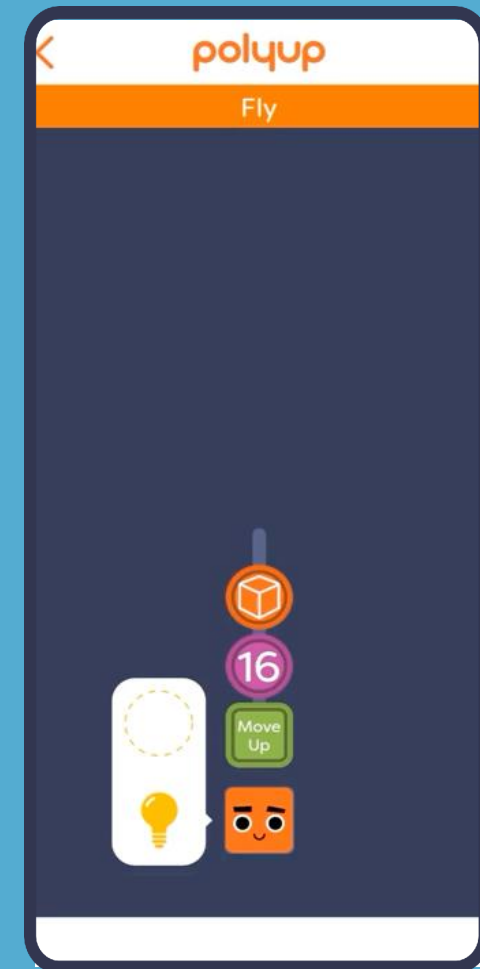
20,000,000+
Problems Solved

2018-19 School Year



Computational Thinking Playground

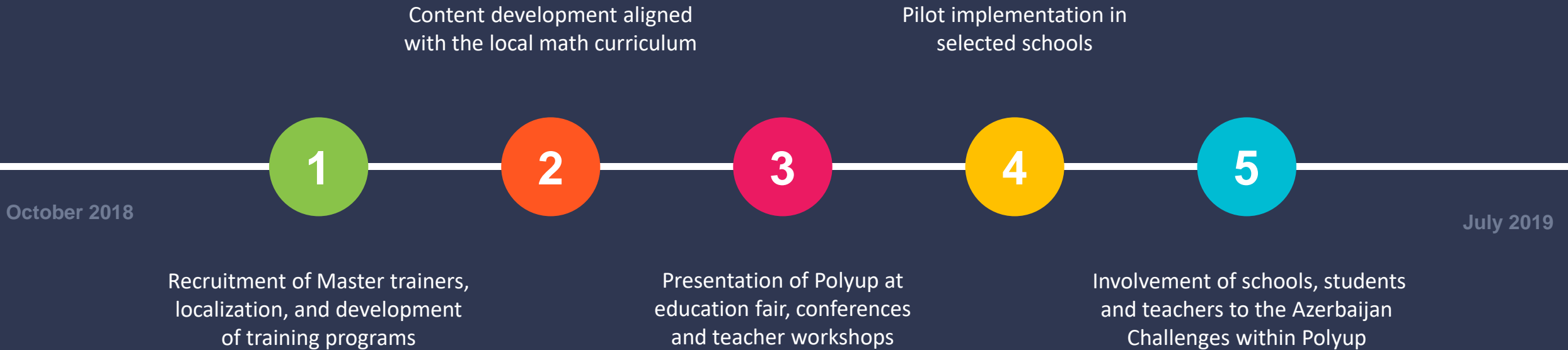
for K-12
July'18



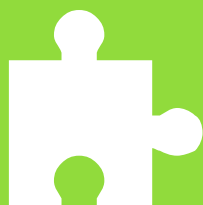
Virtual Makerspace

in/out classrooms
Aug'19

Polyup in Azerbaijani Schools



Azerbaijan Poly Challenge



5

Poly
Challenges



200

Teachers
participated



5

Winners were
awarded with
different prizes



1000

Students
participated

