

Programing/Coding Apps that Promote Computational Thinking Competencies

The following apps develop computational thinking through problem-solving. The specific competencies addressed are listed below each app.



Cargo-bot

iOS
Free
5+

Ab, A&P, D/T, PR, S



Daisy the Dinosaur

iOS
Free
7+

Ab, A&P, D/T, PR, S



Kodable

iOS
Free
5-8

Ab, A&P, D/T, PD, PR, S



Robozzle

Web browsers, iOS, Android,
Windows phone
Free, 6+

Ab, A&P, Au, D/T, PD, PR, S



Sushi Monsters

iOS
Free
4+

PD



Codeable Crafts

Android
Free
5+

Ab, A&P, D/T, PR, S



The Foos

iOS, Android, Windows Phone,
Kindle fire, Fire phone
Free, 5+

Ab, A&P, DR, D/T, PD, PR, S



Lightbot Jr.

Web browsers, iOS, Android
Free
4-8

Ab, A&P, DR, D/T, PR, S



Run Marco!

Web Browsers, iOS, Android
Free
6+

Ab, A&P, DR, D/T, PR, S



Tynker

iOS, Android
Free
7+

Ab, A&P, D/T, PD, PR, S

COMPUTATIONAL THINKING COMPETENCIES

Ab - Abstraction

A&P - Algorithms and Procedures

Au - Automation

DR - Data Representation

D/T - Debugging/Troubleshooting

PD - Problem Decomposition

PR - Pattern Recognition

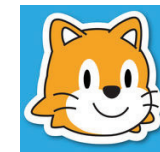
S - Simulations



PBS KIDS ScratchJr

iPad, Android
Free
4+

Ab, A&P, D/T, PR, S



Scratch Jr.

iPad, Android
Free
6+

Ab, A&P, DR, D/T, PR, S

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