

KinderTEK includes...

- iPad apps
 - Instruction (51 activities)
 - Reporting & management
 - Customizable delivery and student supports
- Data dashboard
 - Teachers & administrators
 - Researchers (fidelity checks)
- Website: <u>www.kindertek.com</u>
- Implementation resource library

















KinderTEK system



App: Math instruction, reporting & management & supports

Available on App Store



ased

Web-based **Data dashboard**

Online professional development portal

DIBELS Data System licensing & rostering

Website

(www.KinderTEK.org)

with a la carte training & resources

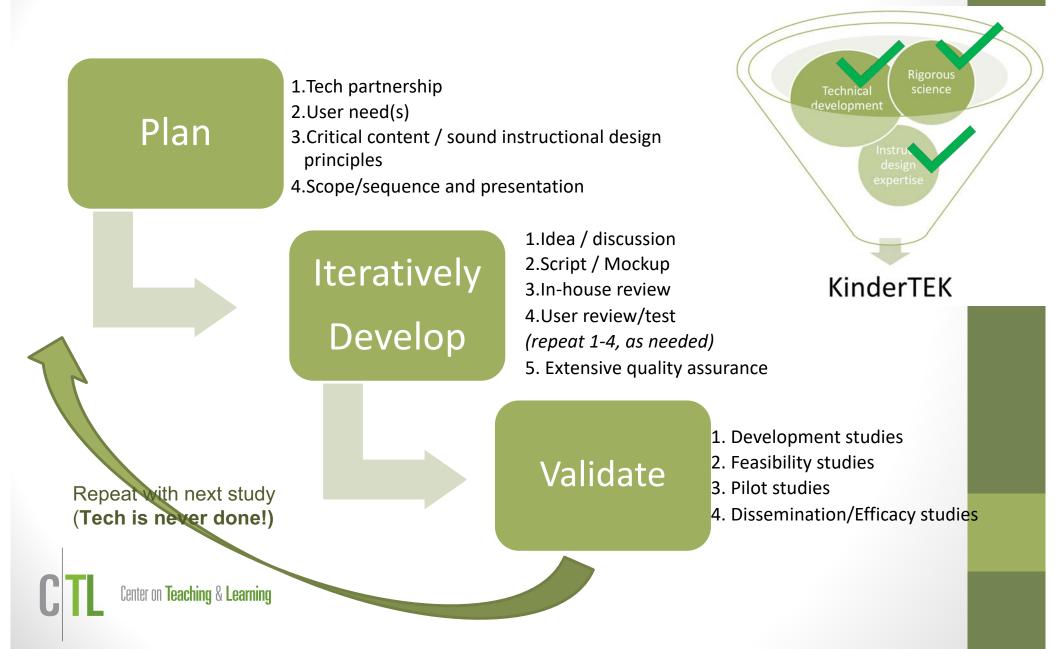
Back-end server (CTL Programmers)

Intended uses of KinderTEK:

- Intervention for early elementary students struggling with kindergarten math content
- Kindergarten math supplement
- Kindergarten readiness tool for preschoolers
- Positive, math-based screentime for kids at after school programs, daycares, or home



KinderTEK's development approach:



Improving math instruction

Low-estimate by end of 2020 school year

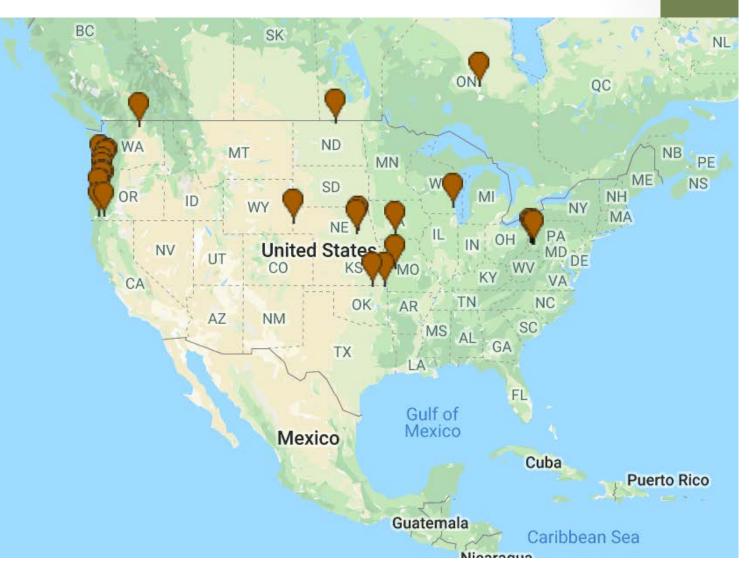


5,322 students

206 teachers

94 schools

46 districts





KinderTEK Research Projects



Feasible (and fun!) for students and teachers





Easy & fun to use!

















15

App reports





Home

Terrific Teach

Awesome Ant

Beautiful Butterfly

Curious Caterpillar

Dauntless Diver

Elegant Elephant

Fabulous Frog

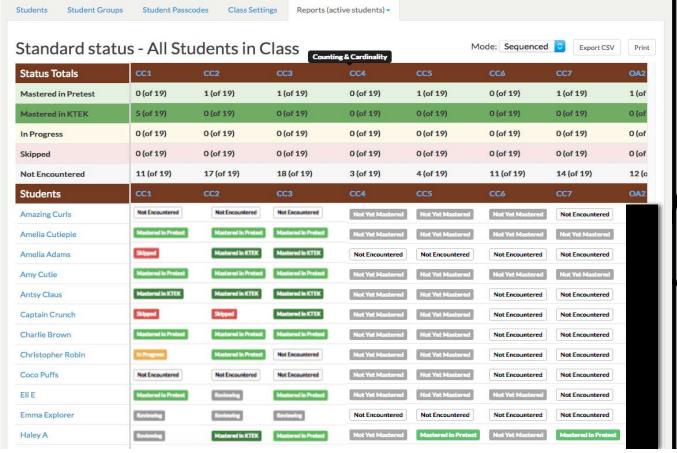
Gallant Guide

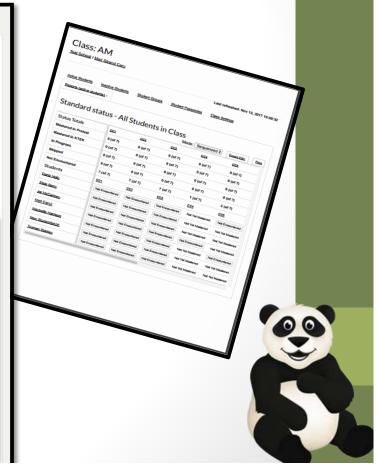
any Hedgehog

Center on **Teaching** & **Learning**

Online data dashboard







Test School / Terrific Teacher

Last refreshed: Jun 18, 2018 18:19:30

Name	Engagement Rate (Most Recent Day)	Sequenced Mode	Exploration Mode	Directed Mode	Screening Mode
Awesome Ant Exploration Mode)	80%	72 Minutes	95 Minutes	44 Minutes	9 Minutes
leautiful Butterfly Exploration Mode)	49%	138 Minutes	14 Minutes	28 Minutes	39 Minutes
Curious Caterpillar Exploration Mode)	93%	138 Minutes	27 Minutes	3 Minutes	15 Minutes
Dauntless Diver Exploration Mode)	90%	26 Minutes	9 Minutes	0 Minutes	13 Minutes
legant Elephant Exploration Mode)	33%	78 Minutes	40 Minutes	0 Minutes	46 Minutes
abulous Frog Exploration Mode)	100%	62 Minutes	63 Minutes	4 Minutes	69 Minutes
Gallant Guide Exploration Mode)	96%	26 Minutes	4 Minutes	0 Minutes	26 Minutes
Happy Hedgehog Exploration Mode)	83%	162 Minutes	43 Minutes	0 Minutes	0 Minutes

- Feasible (and fun!) for students and teachers
- Relies on evidence-based instructional practices to differentiate instruction



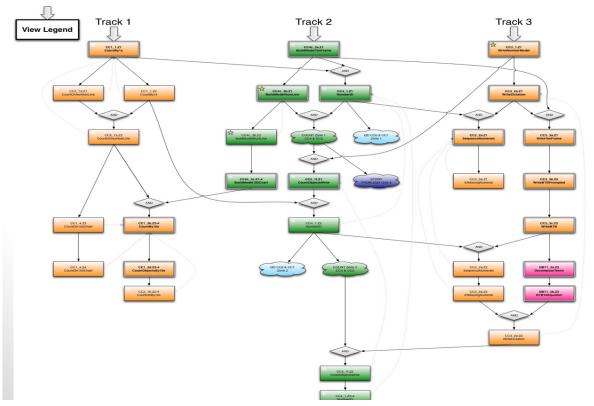


Why is each student experience different?

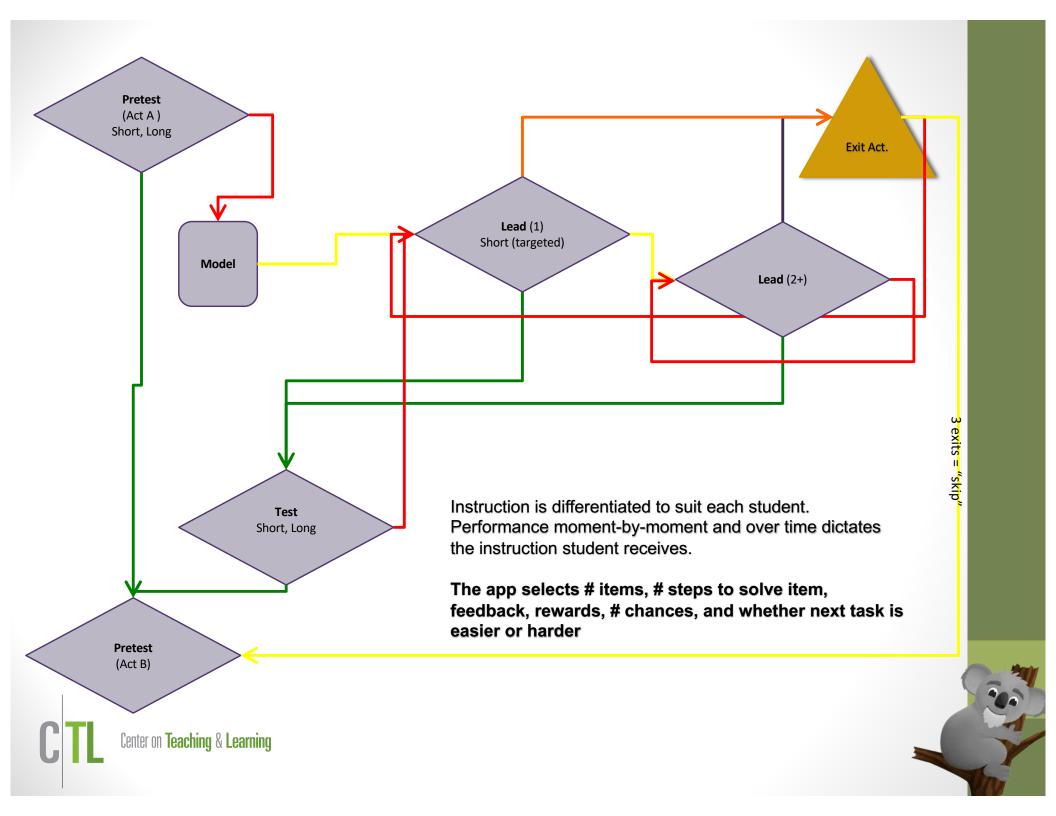




Students choose activities in exploration mode



Student
performance
within web of
prerequisites
dictates flow of
activities in
sequenced,
directed, &
screening modes



- Feasible (and fun!) for students and teachers
- Relies on evidence-based instructional practices to differentiate instruction
- Takes advantages of iPad affordances
- Customization options







- Feasible (and fun!) for students and teachers
- Relies on evidence-based instructional practices to differentiate instruction
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- Customization options
- Implementation resources



IES NCSER Goal 2 Dev't (2011-15)

Strand Cary, M. & Clarke, B.

IES NCER Goal 3 Efficacy (2017-21)

Strand Cary, M., Shanley, L., & Clarke, B.

Institute of Education Sciences U.S. Department of Education



OSEP Stepping Up Technology (2014-19)

Strand Cary, M. & Clarke, B.



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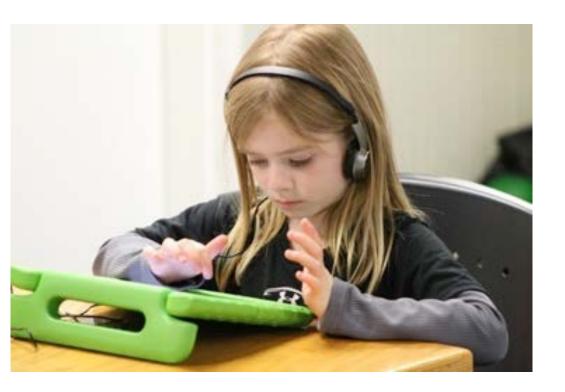
Strand Cary, M., Crowley, R., Shanley, L. & Choo, S.. (February, 2020) Individualized, iPad-based math instruction – Does an external proximal measure reveal differences in students' rates of learning? DRAFT research-in-practice poster for SREE 2020 [PPT slides downloaded from conference website]



Discussion!

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www.KinderTEK.com