## Molly Of Denali: Findings from an RCT and Replication Study

Tablets for participants that had curated Molly of Denali

well as other apps focused on Informational Text

Tablets for participants blocked access to all of PBS KIDS, as

Received a tablet with a 9-week data plan, instructions for

tablet use, text message reminders about the study, family

orientation guide to the study; access to all study resources

Molly of Denali supports use of Informational Text for 1st graders





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Ready To Learn Research

Study Goal: to understand whether the Molly of Denali resources impacted children's informational text skills and dispositions.

Originally intended as a single study, the pandemic interrupted initial study implementation and researchers transformed the disruption into an opportunity to conduct both an initial and then replication study.

## Both studies were nine-week randomized controlled trials

Ready To Learn Programming supports the development and dissemination of educational children's media with the goal of supporting school readiness for young children.

- Molly of Denali Pilot study 2019
- Molly of Denali RCT study 1, Spring 2020
- Molly of Denali RCT study 2, Summer 2022

Content was organized into "bundles" focusing on 6 content areas

at the end of the study

Two condition study:

**Treatment Group:** 

**Control group:** 

**Both Groups:** 

resources pre-loaded



- Captions
- Indexes
- Search boxes
- Procedural text
- Flow diagrams
- Evaluating sources

Each video targeted one or two content areas

New content was released weekly Children's media use was tracked

## Study **Participants**

Ready To Learn | AIRA April 2002

- 48% female
- 16% home language other than English
- 17% IEP, or special ed supports 23% parents with HS or GED
- 69% annual income of \$50,000 or
- 32% Black
- 28% White
- 22% Multiracial
- 14% Hispanic/Latino
- 2% Indigenous Peoples

3% Other



What resources did treatment participants receive?

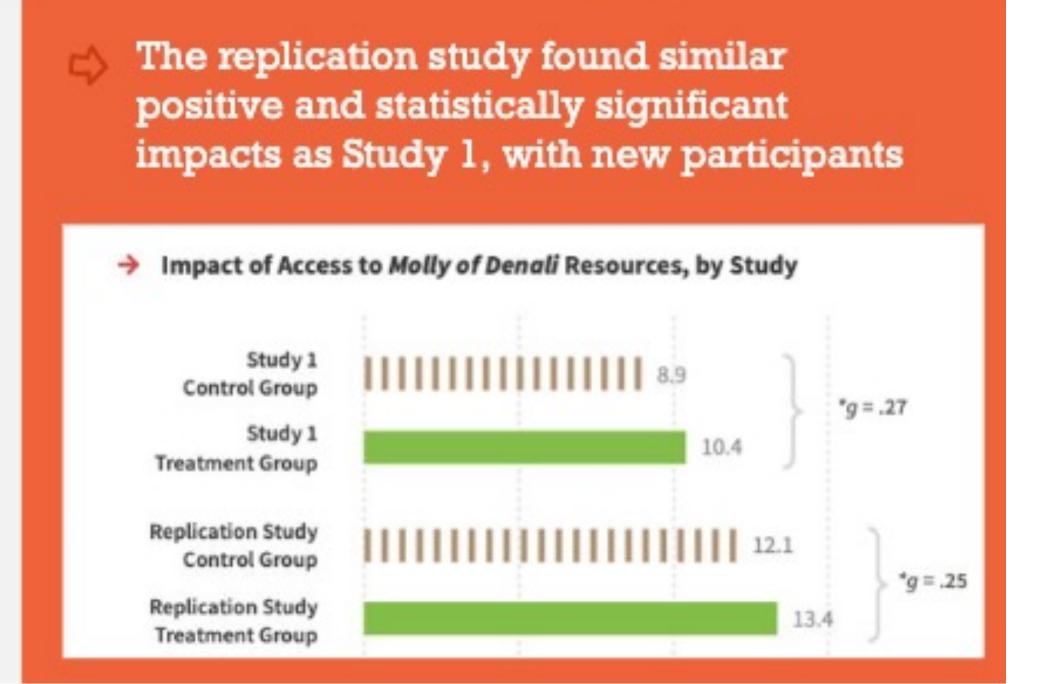


Families in the treatment group received access these Molly of Denali resources:

- 52 videos
- 3 digital games
- 3 hands-on, real-world activities
- 7 introductory videos for parents



Replication of findings:



Findings What did children learn?

Access to the Molly of Denali resources improved children's ability to use informational text to solve real world problems.

Younger children benefitted more from access to Molly of Denali resources

The more time children spent with the Molly of Denali resources, the better they performed on the Informational Text assessment. For every hour that children spent with Molly of Denali resources, they scored about a quarter of a point higher at post-test.

## For more information see our article in AERJ:

https://cct.edc.org/sites/cct.edc.org/files/ms-resources/AERAMolly.pdf

Or visit: http://CCT.EDC.ORG/RTL