



# Help Improve Elementary Science Education!



The Center to Advance Elementary Science through Assessment, Research, and Technology ([CAESART](#)) at Education Development Center ([EDC](#)), a non-profit research organization, invites your district to participate in a federally funded research study to better understand the effect of a literacy-integrated science curriculum on children's science learning.

## Who?

We are looking for schools and districts that meet one of the following criteria:

- Currently implementing a science curriculum in K and Grade 1 classrooms
- OR
- Willing to adopt Amplify Science, a literacy-integrated curriculum, in K and Grade 1 classrooms.

## Why?

To understand the effect of literacy-integrated science curriculum on children's science learning, we will compare instruction and children's science learning outcomes in K-1 classrooms using Amplify to classrooms using other science curricula.

## Benefits of Participating in the Study

Schools and teachers who join the study will receive:

- \$5,000 per school to support implementation
- \$1,000\* per participating teacher

\*Teachers will be paid in accordance with school/district policies.

If you **do not** currently use a K-1 science curriculum—or **want to try Amplify Science K-1**—this study will give you free access to Amplify Science during the study, including:

- **Amplify Science K-1 curriculum + classroom materials**, free of charge for 2 years
- **1.5 days/year of professional learning** for participating teachers

## About the Curriculum

[Amplify Science](#) merges core science concepts with literacy development to create an engaging, evidence-informed experience, through hands-on investigations for young learners. Grounded in the latest early learning research, Amplify Science is aligned with the **Next Generation Science Standards** (NGSS) and aims to build a strong foundation in both science and literacy during the critical early years.

## About the Study

The two-year study explores the effect of literacy-integrated science curriculum on children's science learning over time. Researchers will collect data from kindergarten teachers and students in 2026/7 school year and first grade teachers and students in 2027/8.

### Why this matters:

- **Build strong foundations:** Early science experiences foster curiosity, conceptual understanding, and positive attitudes – critical for later science achievement.<sup>i</sup>
- **Support literacy growth:** Research shows science instruction improves vocabulary, reading comprehension, and writing.<sup>ii</sup>
- **Align district priorities:** The study offers districts the opportunity to test out a standards-aligned science curriculum to assess its fit for your schools.

| Who?                                                         | When?                                | Where?                    |
|--------------------------------------------------------------|--------------------------------------|---------------------------|
| K-1 teachers and their students in public elementary schools | Two school years:<br>2026/7 & 2027/8 | In classrooms & virtually |

## What's Involved for Teachers?

| Science Curriculum Activities                                                                                                                                                                                                                                                                                                                | Research Activities                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Current Amplify users: Continue using Amplify Science</li><li>• Other curriculum users: Continue using your regular science curriculum as normal</li><li>• Amplify adopters: Receive 1.5 days of professional learning (one day in-person + ½ day virtual) and begin using Amplify Science</li></ul> | <ul style="list-style-type: none"><li>• Complete short surveys and participate in interviews</li><li>• Help share study information to parents</li><li>• Coordinate researcher administration of two student science assessments</li><li>• Coordinate with researchers to schedule up to three classroom observations</li></ul> |

Interested in learning more?  
Email [caesart@edc.org](mailto:caesart@edc.org).



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work.

<sup>i</sup> Morgan, P. L., Farkas, G., Hillemeier, M. M., & Maczuga, S. (2016). *Science achievement gaps begin very early, persist, and are largely explained by modifiable factors*. Educational Researcher, 45(1), 18-35

<sup>ii</sup> Cabell, S. Q., & Hwang, H. (2020). *Science content and literacy integration: An avenue for promoting language and reading comprehension in the primary grades*. Early Childhood Research Quarterly, 50, 158-170

