

## Participate in a landmark study funded by the National Science Foundation

Conducted by West Ed with SRI International, RAND, and Lawrence Hall of Science, the study's goals are to understand the classroom implementation and the impact of the curriculum on student achievement and instructional practice.

The study will examine the use of the ASMS curriculum in 7th grade classrooms.

Findings from this study will help the science education community better understand how well-designed curriculum materials can support NGSS instruction.

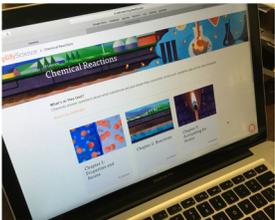
## ASMS curriculum units feature:

Digital Simulations

Engaging Media

Hands-on Investigations

Literacy Supports



## The research questions are:

1. What is the impact of the ASMS curriculum on learning outcomes in culturally and linguistically diverse school settings?
2. How does ASMS curriculum support teachers in implementing NGSS instruction?

## Support NGSS Teaching and Learning in your District with Research-Based Evidence

Now Accepting District Applications for the 2020-21 school year study!

Please contact us to learn more:

[asms\\_study@wested.org](mailto:asms_study@wested.org)

Visit us:

<https://tinyurl.com/asms-curriculumstudy>

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**ASMS** EFFICACY STUDY

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## Join a study of Amplify Science Middle School Curriculum

An exciting opportunity for districts to join a study that will examine how the Amplify Science Middle School (ASMS) Curriculum Materials support the teaching and learning of the NGSS.

**ASMS** EFFICACY STUDY



NOW Accepting District Applications for the 2020-21 school year!

### 3 key benefits for participating districts

- ASMS curriculum materials at no cost to schools
- Professional development on the ASMS curriculum and NGSS
- Learn best teaching practices related to NGSS instruction

# ASMS EFFICACY STUDY

WestEd, SRI International, RAND, and Lawrence Hall of Science have been awarded a research grant from the National Science Foundation to design and conduct an independent study to examine the impact of the ASMS curriculum on teaching and learning.

The 1-year study is a randomized-controlled trial comparing 7th grade classrooms that receive the ASMS curriculum materials and professional development support with classrooms in a “business as usual” (control) condition in several large school districts.

The research team is currently inviting districts to participate in the study that will take place during the 2020 - 2021 school year.

## Why conduct a study of ASMS?

Districts are in need of high-quality curricular materials that can support the adoption of NGSS. The ASMS materials were designed to provide this support.

The materials, developed by the Lawrence Hall of Science in collaboration with Amplify Education Inc., provide students with a multitude of opportunities to engage with core ideas and crosscutting concepts in the context of science and engineering practices over time, so that they strengthen their science proficiency.

## Study Goals:

To understand key aspects of the ASMS curriculum:

- Classroom implementation
- Impacts on student achievement and instructional practice

## Benefits of participation in the study:

### ASMS Curriculum Materials

Full year of 7th grade ASMS materials provided at no cost to participating districts.

### ASMS Professional Development

Provided at no cost to all participating 7th grade teachers.

### Participating teachers will receive stipends for:

- Contributing to the research activities.
- Participating in ASMS professional development (treatment schools) or participating in study orientation sessions (control schools).

### District stakeholders, teachers, and students will benefit from study reports of:

- Best teaching practices related to NGSS instruction, a valuable resource as more teachers adopt ASMS
- Effective ways to support students’ developing science practices as part of ASMS (aligned with NGSS)
- District-level statistics on student achievement outcomes, including a presentation of topics students had more difficulty mastering

## An opportunity for school districts that are considering ASMS adoption

## Are you considering adopting ASMS?

Participating in this study could be a great way to work carefully toward a measured implementation of the Amplify Science Middle School materials and at a reduced cost.

This study timeline provides a high-level overview of study activities. Please reach out to us for more information if you are an interested district, at

[asms\\_study@wested.org](mailto:asms_study@wested.org)

In 2020-21, the study will randomly assign half the schools in the district to implement ASMS in 7th grade classrooms, while the other half continues with materials they already use. After the study concludes in Spring 2021, the remaining 7th grade teachers receive PD and are provided the full-year ASMS curriculum for implementing in the other half of the district’s schools. Now all 7th grade teachers have the ASMS materials, providing a substantial savings for a Grade 6-8 adoption.

## ASMS STUDY TIMELINE

Now - Dec/Jan '20	District Coordination (Districts plan with study team)
Summer '20	<ul style="list-style-type: none"><li>• Teachers implementing ASMS receive PD on curriculum materials</li><li>• District receives 7th grade curriculum materials for schools assigned to ASMS</li></ul>
Fall '20 - Spring '21	<ul style="list-style-type: none"><li>• Teachers implement ASMS in their classrooms</li><li>• School-year curriculum PD</li><li>• Data collection in all participating classrooms</li><li>• Study concluded</li></ul>
Summer '21	<ul style="list-style-type: none"><li>• District receives 7th grade curriculum materials for all remaining schools</li><li>• Remaining 7th grade teachers receive curriculum PD</li></ul>