

Sign Up To Transform Science Education With AI

Fourth- and fifth-grade science teachers in Washington are invited to join a study of ADAPT-AI, an innovative, human-AI collaborative tool to help teachers design and use customized learning tasks in the classroom.

The tool is teacher-facing only; students will not interact with AI at all.

About ADAPT-AI

ADAPT-AI, a closed and safe environment, is designed to transform education with teachers – from standards to classrooms, classrooms to every student.



Built with Teachers.

Through iterative teacher co-design and classroom testing, ADAPT-AI is accessible, trustworthy, and responsive to real classroom needs.



Aligned to the Standards.

ADAPT-AI is built on the Evidence-Centered Design framework to align the learning tasks to the Next Generation Science Standards, the same foundation used by the Next Generation Science Assessment and leading science assessment researchers.



Customizable for Teachers and Students.

ADAPT-AI allows teachers to tailor the learning tasks to their curriculum and local context, ensuring each generated task fits teaching goals and students' learning needs.



All-in-One Assessment Ecosystem.

ADAPT-AI streamlines every step of assessment design in one intuitive workspace. Teachers can trace how each task is designed, linking learning goals, task features, and rubrics for full transparency and instructional coherence.

About the Study

This study is funded through a competitive research grant from the American Institutes for Research. This grant covers the cost of:

- **Free access** to the ADAPT-AI tool
- **Training and ongoing support** for participating teachers
- **Funding** for data collection, data analysis, and dissemination of results

What are the exciting activities for teachers?

Teachers will participate in the study throughout the 2026-27 school year.

- **Teacher training and support** will include two professional learning sessions and four check-in sessions (approximately 8 hours in total).
- **ADAPT-AI implementation** will include designing learning tasks for 4 focal units (3 to 5 per unit) and using the designed learning tasks in classrooms across two semesters.
- **Data collection** will include short surveys and activity logs (approximately 2.5 hours in total).



Teachers will receive a stipend of up to **\$1500** for study participation, if allowable per district policy. Time spent on ADAPT-AI will count towards clock hours.

What are the benefits of participation?

- All participating teachers get **free access to ADAPT-AI**, helping them design and use learning tasks prioritizing student needs and experiences.
- All participating teachers receive **training and ongoing support**, improving their capacity to use AI for teaching.
- Teachers and schools will receive **feedback on aggregated measures of student engagement and achievement** that may inform practices to foster positive, sustained changes in science education.

What will this partnership look like?



The study team collaborates with districts to **share study information** with 4th- and 5th-grade teachers in the districts.



Teachers **express interest** in participating in the study by filling out the interest and consent forms.



The study team **sets up necessary paperwork** with districts and schools.



The study team partners with teachers to **learn and use ADAPT-AI and collect data**.

- Half of the participating teachers will be selected via lottery to implement the tool immediately. The other half will be offered the tool and training a year later.



The study team **shares feedback on student engagement and achievement** after the study concludes.

What is the timeline?

Identify districts and teachers Spring 2026

Select teachers, via lottery, to implement ADAPT-AI Spring to Early Summer 2026

Onboard teachers Summer to Early Fall 2026

Implement ADAPT-AI and Collect data Fall and Spring 2026–27

Interested in Participating?



Scan the QR code or click on this [link](#) to complete the form expressing your interest or **contact the project team** at adaptai@air.org for additional information on joining our project.

Read more about ADAPT-AI research.

<https://www.air.org/project/can-ai-help-teachers-design-formative-assessments-science-education-evaluating-adapt-ai>
<https://labs.wsu.edu/caire/adapt-ai-project/>