



EDC's Center for Children and Technology (CCT) is happy to announce that we are currently recruiting motivated seventh- and eighth-grade science teachers and their students to participate in the *Playing with Data* impact study. This study will examine how teachers use data from students' digital gameplay to make decisions about their instruction. Students will play LRNG-GlassLab's *Mars Generation One* game, designed to support the teaching and learning of argumentation; teachers will use the accompanying data dashboard, which provides real-time data reports about student gameplay relating to argumentation practices. As a part of the study, teachers will also implement a mini-unit that integrates argumentation skills practiced in gameplay with lessons on energy sources. The lessons and materials are aligned with the Next Generation Science Standards (NGSS).

**We are looking for teachers who are willing to use the *Playing with Data* supplemental materials and the *Mars Generation One* game during Fall 2017.** Teachers who participate in the study will receive a stipend of \$500 (in accordance with their school district policy). You can learn more about the project at <http://playingwithdata.edc.org>.

**As a part of this study, teachers will:**

- a) participate in one webinar;
- b) use the game and mini-unit for 15 consecutive class periods during **Fall 2017**;
- c) complete online pre- and post- surveys and a weekly implementation checklist;
- d) participate in up to four think-aloud interviews;
- e) review the LRNG-GlassLab teacher dashboard up to four times;
- f) agree to be observed by researchers up to three times while teaching;
- g) coordinate collection of student consent forms for participation in the study;
- h) distribute a student pre- and post- assessment on argumentation; and
- i) agree to be randomly assigned to a study group. Teachers will be randomly assigned to either
  - (1) the **PWD Treatment** group, which will receive the full set of *Playing with Data* materials, or
  - (2) the **PWD Comparison** group, which will receive a subset of the materials. *Note: All teachers will have access to a video game about argumentation, a digital dashboard with student gameplay data, a supplemental mini-unit for classroom instruction, and additional classroom materials. Teachers in the PWD Treatment group also will have access to an additional set of teacher support materials. (After the study, ALL teachers will gain access to all materials.)*

**To be eligible for the impact study, teachers will need access to either iPads or a laptop or desktop computer with an Internet connection for every student during implementation of the *Playing with Data* mini-unit.**

**Participating teachers will receive stipends of \$500.** Teachers who participate in the impact study also will receive teacher lesson plans (a supplemental mini-unit), premium access to the LRNG-GlassLab teacher dashboard, and premium access to all LRNG-GlassLab games for all participating students for one calendar year.

**If you're interested in participating, please email Heather Kim at [hkim@edc.org](mailto:hkim@edc.org).**

