LOOKING TO BOOST STEM ACTIVITY QUALITY IN YOUR AFTERSCHOOL?

HAVING TROUBLE MEETING THE SONYC STEM REQUIREMENT?

DESIGN2LEARN
CAN HELP

DESIGN2LEARN is a professional development program designed to boost student interest, engagement and academic performance in science, and draws its success from:

- Collaboration between classroom teachers and after-school educators
- Curricular bridging between the school day and after school
- Design-based learning that builds STEM program quality and fosters a love of science

BENEFITS TO EDUCATORS

Instructional coaching from New York Hall of Science

On site and targeted support from ExpandED Schools

Hands-on professional development in design-based teaching and learning

Integration between in-school and after-school STEM instruction

Compensation for your time

Assistance in meeting the SONYC STEM requirement

BENEFITS TO STUDENTS

Increased engagement in science

Positive impact on academic performance in science

Seamless integration between school day curriculum and after-school enrichment

Skills and interest necessary to compete for and succeed in 21st-century science-based jobs

INFORMATIONAL WEBINAR
March 20, 2017 - 11am
OR
April 20, 2017 - 11am
register at goo.gl/ON793h

APPLY ONLINE
https://form.jotform.com/ebanay/D2Lapp

DEADLINE
May 1, 2017

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HOW DOES IT WORK?

A 7th grade science teacher from your school forms an "educator team" with two educators from your after-school provider. Together, they receive professional development in hands-on, design-based learning from the New York Hall of Science. During a dynamic and engaging 5-day Summer Institute and two Saturday workshops during the year, they'll discover strategies, tools and lessons to boost student engagement and interest in STEM. Twice a week, they facilitate STEM activities for 25 7th grade students in after school. The next year, an 8th grade science teacher joins in, and the new educator team receives training and facilitates lessons for the 25 students – now in 8th grade.

WHAT IS EXPECTED OF THE SCHOOL?

DESIGN2LEARN is a two year commitment. The Research Alliance for New York City Schools is conducting a study of **DESIGN2LEARN**, and all participants will be expected to participate in data-collection activities. This study uses a randomized controlled trial design, which means that every site that applies to participate will be randomly assigned to either an implementation group (that receives the trainings and benefits) or a non-implementation group (that receives different training and benefits, but still participates in data collection). It is important to understand this stipulation before applying.

WHAT ARE THE SELECTION REQUIREMENTS?

ExpandED Schools, NYC DOE, NYSCI and Research Alliance will select twelve school and community partners to participate in the **DESIGN2LEARN** Study. To be selected, all schools and community partners must agree to:

- Be randomly assigned to either the Design2Learn implementation group or the non-implementation group
- Participate in all aspects of the program and study for two school years 2017-2019
- Identify educators who will form teams and participate in the study
- Take part in data collection
- Participate in frequent, two-way communication between school leaders, teachers and community partner leaders to improve instructional practice

Community partners must also demonstrate:

- Evidence of Department of Youth and Community Development (DYCD) SONYC funding for after-school activities for two school years 2017-2019
- A track record of high student attendance in afterschool

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To learn more or schedule an informational site visit at your school or after-school site, contact **DESIGN2LEARN** *Program Manager Emma Banay at ebanay@expandedschools.org or 646-943-8788.*

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FAQs

What are the weekly activities for DESIGN2LEARN?
On a weekly basis, the educator team will meet to co-plan for one hour. They will also facilitate after-school science activities: one hour per week the lesson must be facilitated by all three educators and one hour per week the lesson is facilitated by the community educators only. As a result, students receive two total hours of science programming per week. These hours can be offered on two different days (recommended) or in one two-hour block once a week.

What are the yearly activities for DESIGN2LEARN?
Besides the weekly planning and after-school activities, there are also five yearly supports from **DESIGN2LEARN**.

- Five-day/30 hour Summer Institute offered in August
- 2 hour Strategic Planning Retreat in August-September
- 1 day/6 hour Saturday Fall Workshop
- 1 day/6 hour Saturday Spring Workshop
- Annual Convening party at the end of the year

In addition, sites will receive a monthly coaching and support visit from the **DESIGN2LEARN** Program Manager, a twice-yearly visit from the Science Coach Manager from the New York Hall of Science and two observational visits.

Is there funding associated with DESIGN2LEARN?
Yes. Implementation sites will receive $12,400 yearly to cover teacher time at DOE per-session rates, community educator time at CBO hourly rates, and materials. Non-implementation sites will receive $2000 yearly to support community educator time for data collection, teacher time (DOE per-session rates) to access other ExpandED Schools trainings, and materials.

What is the goal of this program?
DESIGN2LEARN is a professional development program designed to boost student interest, engagement and academic performance in science. The Research Alliance for New York City Schools is conducting a study of **DESIGN2LEARN** to see how well the program meets these goals. Your participation in all of the data collection activities (see below) will help us know how well **DESIGN2LEARN** boosts students' science interest, engagement and academic performance.

What are the data collection activities for the study?
Data collection activities for implementation and non-implementation sites include:

1) Submitting a roster of 25 students in the study group
2) Administering pre- and post- surveys to all 7th graders in after-school
3) Participating in two observation visits annually, one in the fall and one in the spring
4) Completing after school staff surveys in the spring
5) Logging student attendance in the DYCD system

What happens if our school/after school winds up in the non-implementation group?
Both implementation and non-implementation programs will receive high-quality professional development and materials at no cost. Training for both groups will assist sites in meeting the SONYC STEM requirements. If your school/after school is randomly assigned to the non-implementation group, you will implement your after-school STEM programming as normal, but will 1) participate in the data collection activities for the study (see above); 2) receive $2000 yearly to support community educator time for data collection and purchasing materials; and 3) have the opportunity to participate in a 10 hour workshop series exploring MediaBreaker (an online learning and editing tool for the development of 21st century media literacy skills). This three session model (a $1,500 value) is aimed at increasing the capacity of educators to design lesson plans with digital tools (MediaBreaker/Studios) that encourage critical thinking, media literacy, and student collaboration. In addition to the professional development, your site will receive an annual coaching site visit. Finally, you will also qualify for additional ExpandED Schools trainings for free (a $40 per person per workshop value).