# NSF After-School Math Program Fact Sheet

Through the support of the National Science Foundation, we are studying the development of math identity in after-school programs. The study will investigate how a math curriculum developed for informal settings, develops students’ math identity and increases math engagement and interest. The program covers 4 themes by engaging students in inquiry-based, fun activities based on students’ interests:

* Jump Rope Math teaches students essential math skills while jumping rope.
* Built Environment engages students’ interest in creating a better society.
* ArtMathhelps students connect to the math around them.
* MusicMath fractions, combinations and permutations to create music.

What your program gets:

* Free math curriculum, which includes fun activities, a focus on real-world math, meets standards, and has strategies to include all students
* Free professional development for line staff and ongoing support for math activities (administrators are welcome and strongly encouraged to attend, but this training is designed for implementers)
* Stipend for participation:
  + $50 per person to attend each professional development training, including completing a survey (up to three people per program)
  + $75 to pass out and collect student surveys and consent forms and facilitate the collection of record data such as program attendance (one person per program)
* Participation in an important study for the National Science Foundation that will contribute to our understanding of how to develop math identity and broaden the participation of underrepresented groups in STEM!

What does participation require?

* After-school programs with at least 20 fourth and fifth graders and at least 2 group leaders willing to implement the math activities and participate in the study
* Participation of at least two group leaders in 4 one-day professional development sessions over the next two years
  + Next session: February 4, 2017
  + Future sessions TBD: July 2017, December 2017/January 2018
* Commitment to implement the math activities as part of the afterschool programming in the 2016-17 and 2017-18 school years
* Participation of group leaders in online surveys at the end of each program theme (4 surveys total over 2 years)
* Administration and collection of paper surveys from fourth and fifth graders at the beginning of the study and at the end of each program theme (5 surveys total over 2 years)
* Maintaining and providing student rosters and attendance records
* Facilitating collection of student academic records
* Possible participation in classroom observations and interviews