



PROFESSIONAL DEVELOPMENTS

Columbia College Chicago | 623 S. Wabash Avenue | 6th floor Room 600J | 9-5pm

Columbia College Chicago's Scientists for Tomorrow initiative offers complimentary high-quality professional developments (PD) to Community Based Organizational staff and educators, who want to understand and embrace Science, Technology, Engineering Arts and Mathematics (STEAM).

Trained professionals will increase their capacity to continue to provide STEAM-related activities that can be easily integrated in Out-of-School Time (OTS) programs. Teachers can also earn their Continuing Professional Development Units (CPDU's) for participating at any of our trainings.

PHYSICS OF SOUND & MATHEMATICS OF MUSIC

PART 1: JANUARY 20, 2018

Instructors will learn the Physics of Sound and apply it when building two musical instruments: a mono-chord and a wind-chime

PART 2: FEBRUARY 10, 2018

Instructors will continue working on their musical instruments, musical scales and learning how to build a well-tuned xylophone.

PEOPLE & PLANTS

PART 1: JANUARY 27, 2018

Instructors will explore the relationship between plants, animals and humans through a set of long term experiments and build a greenhouse.

PART 2: MARCH 3, 2018

Instructors will learn about plant growth and build a vertical garden.

ADVANCE ROBOTICS

PART 1: FEBRUARY 3, 2018

Instructors will learn about the binary system, truth tables/logic and build corresponding circuits on the breadboard. Then they will explore how a micro controller works and learn how to program it

PART 2: MARCH 10, 2018

Instructors will learn how to build and program a rover.

**TO LEARN MORE ABOUT OUR PROGRAMS & RSVP, VISIT OUR CALENDAR PAGE AT
WWW.SCIENTISTSFORTOMORROW.ORG**