

STEM+Computer Science

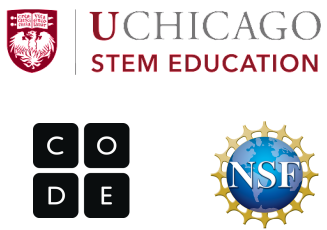
For every student in every school

STEM Equity Research Practice Partnerships (RPP)

2016 - 2019



Finding time in the elementary day to integrate computer science (CS) with PBL units.

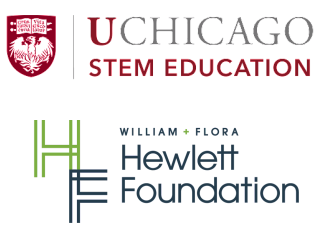


Partners: UChicago STEM Education at the University of Chicago
Amount: \$1.2 million + supplement awarded to BCPS
Funded By: The National Science Foundation STEM+C Grant (No. 1542842)
Participants: 3rd - 5th Grade classes at 16 BCPS elementary schools (240 teachers & 6,000 students) **Website:** outlier.uchicago.edu/TimeforCS/

2019 - 2022



Spreading the equitable facilitation of critical thinking and the belief that every student can Dig Deeper to learn.

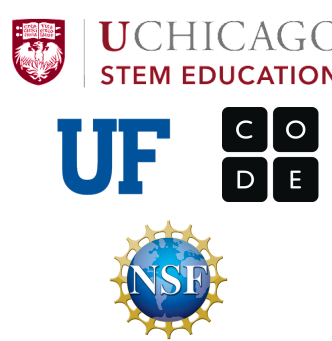


Partners: UChicago STEM Education at the University of Chicago
Amount: \$1,000,000 awarded to UChicago (BCPS subaward)
Funded By: William & Flora Hewlett Foundation
Participants: Districtwide; survey administration K - 5 teachers/principals only
Website: outlier.uchicago.edu/readytochange

2020 - 2023



Finding time in the elementary day to integrate CS for ALL students through the use of UDL and CRP in a PBL unit.



Partners: UChicago STEM Education at the University of Chicago & the University of Florida, Code.org
Amount: \$998,913 awarded to BCPS
Funded By: The National Science Foundation CSforAll Grant (No. 2031425)
Participants: 220 4th grade BCPS classrooms; 220 teachers trained in Code.org, 110 teachers trained on unit, 2000 students experiencing unit

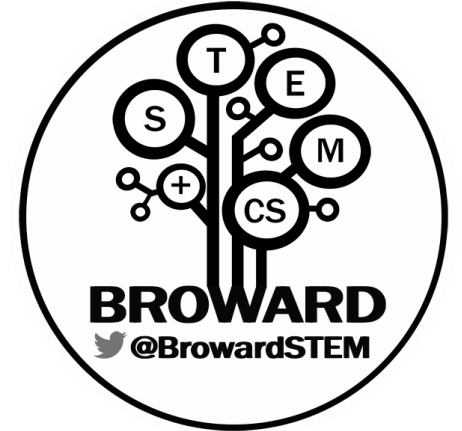
2021 - 2022



Increasing inclusion of elementary students with disabilities in CS with universal design for learning (UDL).



Partners: University of Florida, New York City Public Schools, San Francisco Unified School District
Funded By: The National Science Foundation CSforAll Grant (No. 2031233)
Amount: \$299,624 awarded to University of Florida
Participants: Select BCPS teachers working with students with disabilities

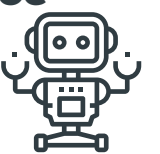


Hands-on problem-solving



Computer Science

Robotics



Engineering

Environmental Stewardship



**Broward County Public Schools
Applied Learning Department**

Susan Cantrick, Director
Dr. Lisa Milenkovic, Supervisor, STEM+CS

browardschools.com/stem

**BCPS is committed to
furthering research and
broadening the participation
of underserved groups in
STEM & Computer Science
(CS) education.**



The School Board of Broward County, Florida Lori Alhadeff • Torey Alston • Brenda Fam, Esq. • Daniel P. Foganholi • Debra Hixon • Dr. Jeff Holness
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