

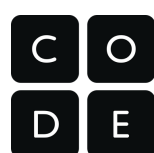
STEM+Computer Science

For every student in every school

TIME4CS *for* ALL

Finding time in the elementary day to integrate Computer Science (CS) for ALL Students.

In partnership with:

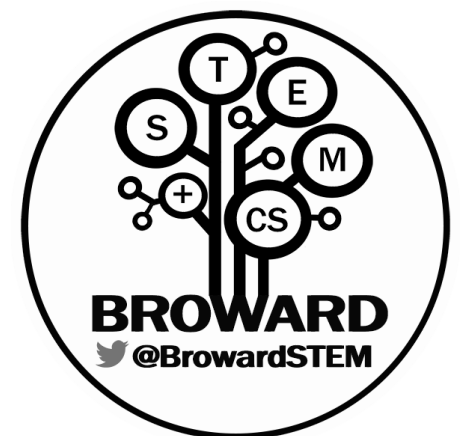
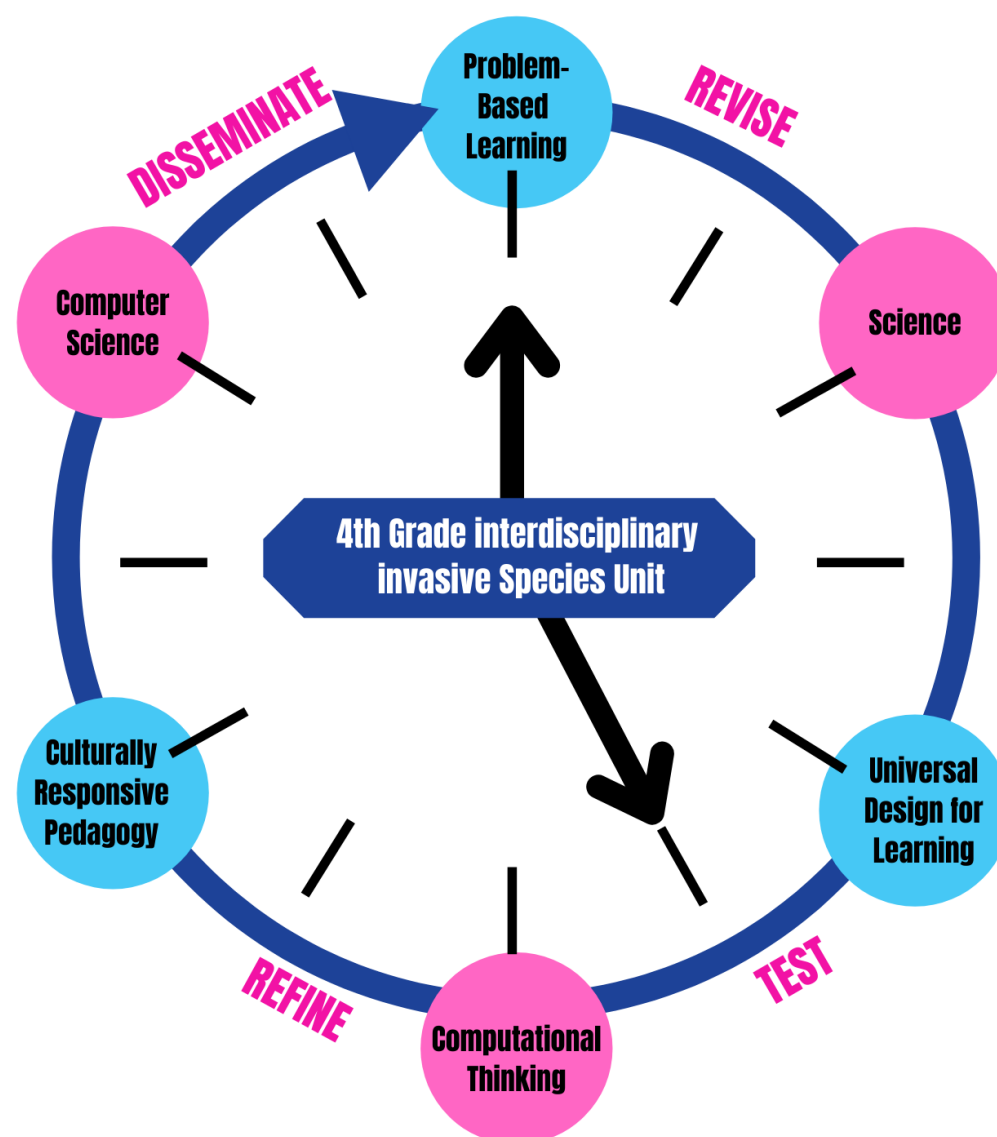


Funded By:



Grant No.2031425

Refining and testing one fourth grade *Time4CS** prototype PBL unit to make it more accessible with Universal Design for Learning (UDL) and Culturally Relevant Teaching (CRT) (2020).

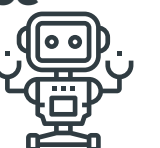


Hands-on problem-solving



Computer Science

Robotics



Engineering

Environmental Stewardship



**Broward County Public Schools
Applied Learning Department**

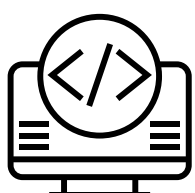
Susan Cantrick, Director
Dr. Lisa Milenkovic, Supervisor, STEM+CS

browardschools.com/stem

Current

3 Year

5 Year



Revising 4th Grade Invasive Species Time4CS unit, piloting with 4 BCPS partner teachers, and refining with feedback

13% of elementary teachers trained in Code.org

Participating in Study
18 elementary schools
220 teachers trained in Code.org
4,000 students (4th grade)
Implementing Time4CSforAll Unit
2,000 students (3rd - 5th grade)
110 (3rd - 5th grade) teachers

25% of elementary teachers trained in Code.org

50% of 4th graders experiencing Time4CSforAll unit

50% of elementary teachers trained in Code.org



TIME4CS

Exploratory NSF study (# 1542842), started in 2016, developed and tested 6 interdisciplinary STEM+CS problem-based learning (PBL) prototype units (2 each for grades 3 - 5). Study participants included 16 elementary schools, 240 teachers, and 6,000 students (3rd - 5th grade), with 3,000 students and 120 teachers implementing the unit.

Time4CS Website: outlier.uchicago.edu/TimeforCS/



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