Main Criteria: Forward Education

Secondary Criteria: CSTA K-12 Computer Science Standards

Subjects: Mathematics, Science, Technology Education

Grades: 7, 8

Forward Education

Harnessing the Sun's Energy with Solar Panels

CSTA K-12 Computer Science Standards Technology Education

Grade 7 - Adopted: 2017

		Grade 7 - Adopted: 2017
LEVEL	CST A.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-AP.	Algorithms & Programming
LEARNING OUTCOME / STRAND		Algorithms
LEARNING OUTCOME	2-AP-10.	Use flowcharts and/or pseudocode to address complex problems as algorithms. (P4.4, P4.1)
LEVEL	CSTA.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-AP.	Algorithms & Programming
LEARNING OUT COME / STRAND		Modularity
LEARNING OUTCOME	2-AP-13.	Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. (P3.2)
LEVEL	CST A.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-AP.	Algorithms & Programming
	2-AP.	Algorithms & Programming Program Development
LEARNING OUT COME /	2-AP. 2-AP-15.	Program Development
LEARNING OUT COME I STRAND	2-AP-15.	Program Development Seek and incorporate feedback from team members and users to refine a solution that meets user needs. (P2.3,
LEARNING OUT COME I STRAND LEARNING OUT COME	2-AP-15.	Program Development Seek and incorporate feedback from team members and users to refine a solution that meets user needs. (P2.3, P1.1)
LEARNING OUTCOME I STRAND LEARNING OUTCOME LEVEL STRAND I	2-AP-15.	Program Development Seek and incorporate feedback from team members and users to refine a solution that meets user needs. (P2.3, P1.1) Level 2 (Ages 11-14)

CSTA K-12 Computer Science Standards Technology Education

Grade 8 - Adopted: 2017

LEVEL

STRAND / COURSE	2-AP.	Algorithms & Programming
LEARNING OUTCOME / STRAND		Algorithms
LEARNING OUTCOME	2-AP-10.	Use flowcharts and/or pseudocode to address complex problems as algorithms. (P4.4, P4.1)
LEVEL	CST A.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-AP.	Algorithms & Programming
LEARNING OUT COME / STRAND		Modularity
LEARNING OUTCOME	2-AP-13.	Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. (P3.2)
LEVEL	CST A.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-AP.	Algorithms & Programming
LEARNING OUT COME / STRAND		Program Development
LEARNING OUTCOME	2-AP-15.	Seek and incorporate feedback from team members and users to refine a solution that meets user needs. (P2.3, P1.1)
LEVEL	CST A.2.	Level 2 (Ages 11-14)
STRAND / COURSE	2-IC.	Impacts of Computing
LEARNING OUT COME / STRAND		Social Interactions

2-IC-22. Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a

computational artifact. (P2.4, P5.2)

LEARNING

OUTCOME