



## Verizon Grant Opportunity

Verizon and PLTW Partner to Support Introduction to Computer Science at Your School

A new \$20,000 two-year grant opportunity, made possible by Verizon, will support the implementation of two PLTW Gateway units – Introduction to Computer Science 1 (ICS 1) and Introduction to Computer Science 2 (ICS 2) – at middle schools for the 2016-17 school year.

Schools across the country with a free and reduced lunch population of 70 percent or more are eligible to apply.

Grant funds may be used to help offset the following implementation expenses:

- PLTW Gateway program participation fees
- ICS teacher training expenses
- Designated equipment costs including tablets, computers, wireless connectivity, accessories

Please review the Grant Announcement and RFP at [pltw.org](http://pltw.org) for complete details on eligibility requirements, fund disbursements, allowable grant expenses, and application instructions.

Important dates:

- Application window opens: Jan. 15, 2016
- Application window closes: March 31, 2016
- Award notifications: No later than April 15, 2016

If you have any questions regarding the grant, please contact [Verizon@pltw.org](mailto:Verizon@pltw.org). We look forward to receiving your application.

### About Introduction to Computer Science 1 and 2

These PLTW Gateway units are designed to be truly introductory and require no prior programming experience.

#### Introduction to Computer Science 1 (ICS 1)

In ICS 1, students have the opportunity to unleash their creativity as they design their own apps using MIT App Inventor.

#### Introduction to Computer Science 2 (ICS 2)

In this unit, students venture into text programming through Python and, in the final problem, develop an app to crowdsource and analyze data on a topic of their own choosing.

Successful completion of Introduction to Computer Science 1 and 2 positions students well for a transition into PLTW high school-level computer science courses. In addition, the units serve as the middle school portion of PLTW's complete K-12 computer science pathway.

	ICS 1	ICS 2
Computer Science Concepts	<ul style="list-style-type: none"> <li>• Branching</li> <li>• Arithmetic</li> <li>• Variables</li> <li>• Iteration</li> <li>• Functions and methods</li> <li>• Problem decomposition</li> </ul>	<ul style="list-style-type: none"> <li>• Compound logic</li> <li>• Data types and lists</li> <li>• Variables</li> <li>• Iteration</li> <li>• Functions and methods</li> <li>• Problem decomposition</li> </ul>
Additional Skills and Knowledge	<ul style="list-style-type: none"> <li>• Pair programming</li> <li>• Project management</li> <li>• Documentation</li> </ul>	<ul style="list-style-type: none"> <li>• Presentation</li> <li>• Cyber hygiene</li> <li>• Career societal impact</li> </ul>