



**June 25-26 &
July 15 -17, 2015**

8:30 AM - 3:30 PM

**LONGWOOD UNIVERSITY
FARMVILLE, VA**

ITTIP Presents:

Problem-based Interdisciplinary STEM Learning II (PISTEM II)

Professional Development on
Hummingbird Robotics and Problem-
based Learning for Grades 5-8 Teachers

As active members of a professional learning community, **twenty-four grade 5-8 teachers** will collaborate with each other in a five-day professional development workshop and explore research based instructional strategies and resources that facilitate the development of creativity, collaboration, and communication (reading, writing, and presentation) skills through interdisciplinary STEM learning activities utilizing the integration of robotics in the classroom. In enhancing their pedagogical and technological knowledge, teachers will receive training on the **integration of problem-based learning strategies and assessment strategies, and the Hummingbird robotics kit with integration of other technologies** to meet the needs of diverse learners and inspire students.

Teacher commitment (all activities are required)

1. Five day summer workshop (June 25 -26, 2015; then July 15-17; 2015)
2. Development of lesson plan (problem based learning as pedagogy) and implementation in fall semester
3. Participation in four after-school webinars (two after school webinars in fall and two in spring)
4. Development of online portfolio that includes learning artifacts from webinars and unit plan
5. Saturday summit in Spring 2016

Incentives

1. Stipends: \$400 after completion of summer workshops in 2015; \$250 after completing Fall webinars and teaching lesson plan by February 2016; and \$350 after spring webinars, Spring summit 2016, and online portfolio completion
2. Hummingbird Robotics Kit & classroom loaner kit of 7 robots for schools
3. 80 Recertification Points

Please register at: <https://www.surveymonkey.com/s/PISTEMII>