

# Vermont Generation YES Summer Camp

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## Come Join the Vermont GenYES STEM Summer Camp and Program

July 30 to August 1, 2012

The Vermont GenYES STEM program is a creative approach to make lasting and transformative improvements in STEM teaching and learning. The nonprofit Rural School and Community Trust (RSCT) partnered with the nonprofit Generation YES to create an exciting research-based model to increase STEM achievement in rural schools.

The RSCT rolled out the Rural Schools GenYES STEM model in North Carolina and Louisiana in the summer of 2011 and now will bring the model to Vermont this summer.

During the summer of 2012, interested schools at all levels can send a team of one STEM teacher and three students to a 3-day summer day-camp where they will learn how to implement the model in their school. Each participant will receive an IPAD to use during the camp and when they return to their school.

Please contact either the Vermont RSCT or Generation YES (contact information above) if you have any questions.

### Vermont GenYES Features

- Grades 5-12 students would annually complete at least one rigorous technology-infused STEM project.
- Student STEM Leaders provide support to STEM teachers & students as they complete these STEM projects.
- The Vermont GenYES online environment & network will provide resources to participating rural students and teachers.
- STEM students & teachers increase their ability to align content to state and national assessments.
- Students demonstrate technology proficiency by addressing ISTE NETS.

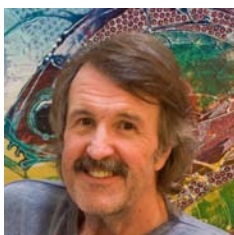


### Meeting Rural Schools' Needs

The Rural School and Community Trust has partnered with Generation YES to provide the Vermont STEM GenYES program to specifically meet the following problems associated with rural schools:

1. Teachers are supported by fewer aides and support personnel
2. Small schools mean more course preparation
3. Teachers need real-time professional development related to immediate challenges
4. Students, teachers, and leaders are professionally and personally isolated
5. There are limited social networks

The Vermont GenYES STEM program addresses these conditions with a unique collaboration between students and teachers, by providing extensive professional development to teachers, and creating an online professional learning community where all can share resources and expertise.



**DR. DENNIS HARPER**, who will lead the workshop, is widely recognized as one of the world's eminent leaders in the field of technology in education. Dr. Harper has been responsible for bringing computers and the Internet into thousands of schools in more than 30 countries. He is the founder of the student-centered Generation YES model where youth aged from 10 to 18 provide substantial technology integration support. Dr. Harper has received numerous accolades including District Administration's Educator of the Year, Converge Magazine's Shaper of Our future, and in 2010 was recognized by Tech & Learning Magazine as one of the three most influential technology educators over the past 30 years.

### Summer Camp Agenda

#### Day 1:

- Introduction to Vermont GenYES
- Distribution of iPADS
- Becoming an iPad power user
- Establishing Vermont GenYES accounts

#### Day 2:

- Vermont GenYES online learning space
- Prezi STEM project
- Google Docs, Pixton, and Figment Intro
- Constructing personal STEM project

#### Day 3:

- Student Technology Leader Preparation
- Assessing projects for NETS Alignment
- Online Safety and Ethics
- Evaluating Online resources
- Project Presentations
- Planning for Vermont GenYES implementation in your school

### Vermont GenYES Costs

The cost for a school to implement the Vermont GenYES STEM program is \$4,500 per school. This includes:

- Perpetual GenYES school license
- Online Resources
  - Student Guide
  - Advisor Implementation Guide
  - Project planning and assessment
  - Student Tech Leaders Guide
  - Curriculum
  - National Tech Literacy Certification aligned to ISTE NETS
- Toll Free Ongoing Support
- Generation YES Online Community
- All Future Upgrades
- 3-Day VT STEM Summer Camp
  - Preparation of Student STEM Leaders and VT GenYES advisor including mentoring, assessment, and tech skills
  - Lunch and all materials
- VT STEM GenYES iPADS
  - STEM STAR configured iPads & cover for three Student STEM Leaders and one teacher advisor.