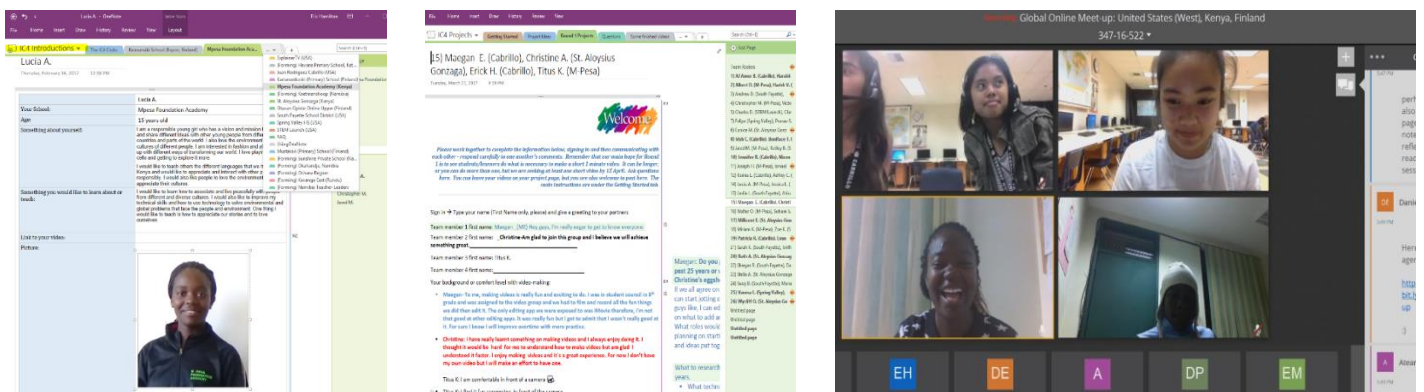


International Clubs for Collaborative Content Creation (IC4; ic4.site) (May 2017) Researcher Information Page

The IC4 clubs currently are in the United States, Kenya, Finland, and Namibia. Funded by several entities, but primarily the U.S. National Science Foundation (NSF), the clubs engage middle and secondary school students in working together across national and cultural boundaries in producing digital media to illustrate or explain scientific, computational, engineering or mathematical concepts and problems. There are approximately fifteen clubs across the four countries.

- Abstract adapted from NSF website: *This project, entitled “Research on an International Network of STEM Media-Making and Student-Led Participatory Teaching,” is a collaboration of Pepperdine University and the New York Hall of Science. It establishes a network of STEM-related digital makerspace clubs comprised of after-school students (ages 10 – 19) and teachers in the U.S. and in three other countries: Kenya, Namibia and Finland. The media produced by the students may include a range of formats such as videos, short subject films, games, computer programs and specialized applications like interactive books. The content of the media produced by the students focuses on the illustration and teaching of scientific, computational, engineering or mathematical topics. This project builds on previous work on localized media clubs by now creating an international network in which after-school students and teachers collaborate at a distance with other clubs. The central research questions for the project pertain to three themes at the intersection of learning, culture and collaboration: the impact of **participatory teaching**, **virtual networks**, and **intercultural, global competence**. The research combines qualitative, cross-cultural and big data research approaches. The research team will also develop a network assessment tool, adapting epistemic network analysis methods, developed at the University of Wisconsin, to the needs of this initiative.*
- Here is the [original funding proposal](#) and the [project description excerpting NSF’s award site](#).
- Members of the IC4 clubs collaborate, in part, over onenote.com, using project notebooks depicted in the two lower left screenshots:
 - The **IC4 Introductions Notebook** primarily is a place where the participants introduce themselves. The lower left page introduces one student in a school in Kenya.
 - The **IC4 Projects Notebook** stores interactions between IC4 club members. In lower center picture, two students from Long Beach (south of LA) and two students from different schools in Kenya are interacting on a video.
- A screenshot from one of the project global meet-ups, with participants from four international locations, appears in the lower right.
- *Samples:* Here is a short video that one of the students from Long Beach created. <http://bit.ly/ic4-patricia-catalina-fieldtrip-mar2017>. [Here is a bit longer video from two young women describing a day in their lives](#), one in Queens NY and one in rural Finland.
- A three-minute video on the project, taken from an in-school perspective and for an audience of people funded by NSF, appears here. [It is here.](#) →



For more information from the IC4 Notebooks & Collaboration Space, or Global Meet-ups please contact eric.hamilton@pepperdine.edu or danielle.espino@pepperdine.edu.