



This project, a collaboration of Pepperdine University and the New York Hall of Science, is funded by the US National Science Foundation and establishes an international network of science, technology, engineering, and mathematics (STEM) subject related Media Making Clubs comprised of afterschool students aged 12 - 19 and teachers in the U.S. and in three other countries: Kenya, Namibia and Finland.

The IC4 project is formally entitled "[Research on an International Network for STEM Media Making and Student-Led Participatory Teaching.](#)"

The content of the media produced by the students focuses on the illustration and teaching of STEM topics, where the shared media is intended to help other students become enthused about and learn the subjects. Students may create a range of media formats, including videos, short subject films, games, computer programs, specialized applications, such as interactive books:

This project centers around three themes of inquiry:

- Learning, including the impact of participatory teaching;
- Collaboration, including how the distributed and virtual nature of the IC4 network affects overall group success; and
- Culture, including the development of an assessment tool for changes in intercultural and global competence

This project seeks to:

- Foster meaningful and scientifically rigorous collaborations that cross and connect cultures;
- Investigate how digital makerspace collaborations help others, between adolescents and teachers in different parts of the world, and how they can make a significant societal impact; and
- Examine research in multiple areas in order to advance informal STEM subject learning



This project is funded by the Advancing Informal STEM Learning (AISL) program, which seeks to advance new approaches to, and evidence-based understanding of, the design and development of STEM learning in informal environments.

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[ic4.site](#)