

# Computing in the Arts: A Community-Building Initiative

NSF TUES: 3 liberal arts colleges with 3 approaches to Computing in the Arts (CITA) held 3 hands-on workshops to foster a community of CITA educators

## UNC Asheville

Susan Reiser + Rebecca Bruce

2016 workshop: Tangible Computing

- New Media Department founded in 1998 (BA Degree)
- Animation, Interactive, and Video concentrations
- Art, Computer Science, and Engineering offer courses

## College of Charleston

Bill Manaris

2015 workshop: Model Curriculum

- CITA program founded 2011 (BA degree)
- Art, Music, and Theater concentrations
- CITA is one of several degrees offered by the Computer Science Department

## Wake Forest University

Jennifer Burg

2014 workshop: Music & Images

- Stand-alone Computer Science Department courses link computer science, music, and art
- Faculty collaboration with NC School of the Arts

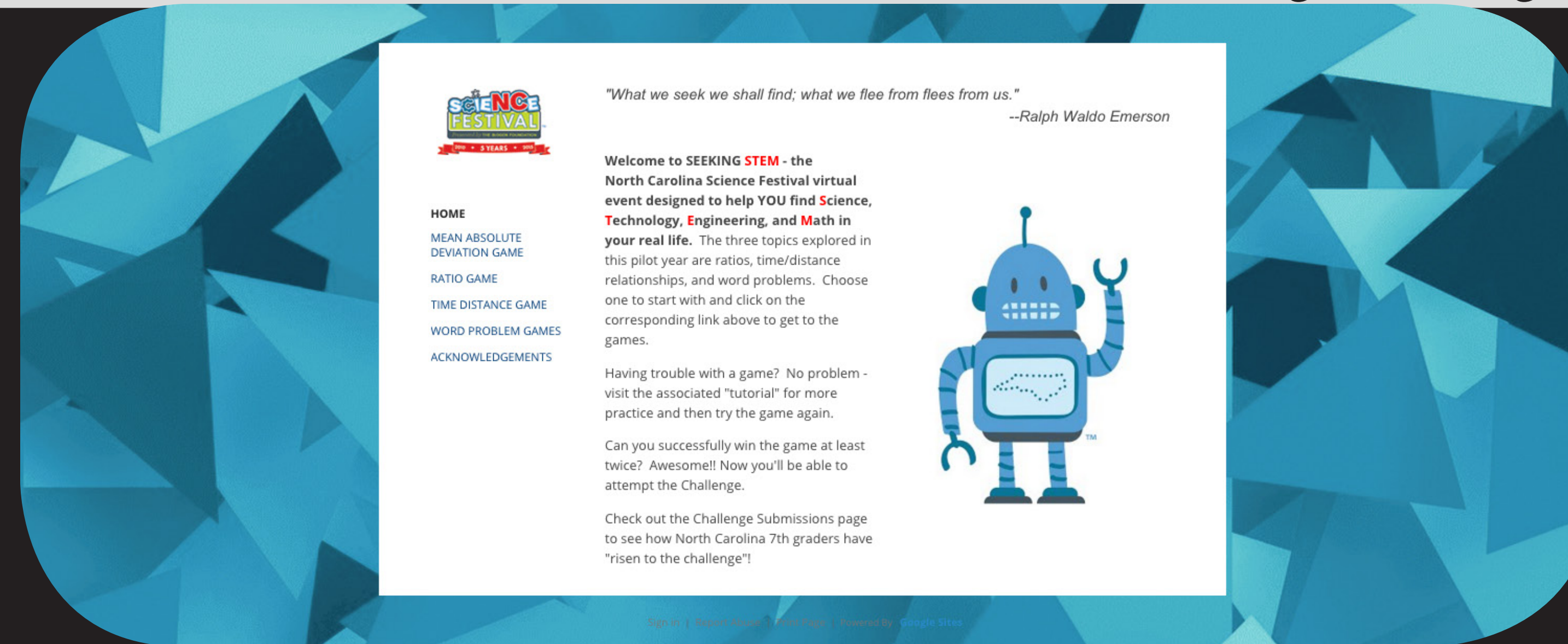
# Computing in the Arts: Multidisciplinary Making @ UNC Asheville

## Linking Technology and Society (SENCER) with Project-Based Learning

art + technology: sculpture (art majors) and creative fabrication (computer science, mechatronics, and new media majors) collaborate to design and build assistive technology



computer science + new media + physics + mathematics + middle school teachers and students: cs1, software engineering, and interdisciplinary students build 7th math and science games



computer science + new media: cs0 students create electronic origami, scratch games representing native american mythology, cookie cutters from game characters, and el-wire hoodies

