Institute for Creativity, Arts, and Technology (ICAT)
A New university-level institute sitting at the nexus of the arts, design, engineering, and science

EFFECT

- Transforming K-12 and university-level education in the local community, across the Commonwealth, and across the U.S. to prepare them to be part of a new type of transdisciplinary workforce necessary to succeed in this era of rapid innovation
- Driving economic development in the Commonwealth by creating an environment for spinning off and partnering with companies that can adapt and succeed in response to the transdisciplinary driving forces of today’s economy
- Engaging the general public at the intersections of science, engineering, art, and design

More than just a “Media Lab,” ICAT is a “Transdisciplinary Living Lab” tightly integrated with educational, commercial, and arts communities

TRANSDISCIPLINARY RESEARCH
From Imagination to Innovation

Research projects that challenge the creative process and critical thinking and demand teams composed of researchers from the arts, design, engineering, and science. ICAT is working with researchers from across the disciplines at Virginia Tech, the region, and internationally to develop the ICAT Studios.

The ICAT Studios: ICAT is a collection of collaborative studios composed of faculty, students, industrial partners, and community volunteers working together toward creating a one-of-a-kind collaborative environment for enacting change.

IDEAS
Exploring transdisciplinarity and creativity in science, technology, engineering, and math (STEM) education

IMAGE
Revealing science through the arts and forging frontiers of computation and interaction for entertainment, training, and learning

IMPACT
Understanding the continuum between the body, computation, and imagination

IMPLEMENT
Incorporating new materials, objects, and methods for creativity

INHABIT
Stimulating local innovation and cultural awareness in Southwest Virginia

ICAT
The Virtual ICAT on the Web

- Explore exhibits remotely
- Attend concerts virtually
- Re-imagine STEM learning
- Interact with and be part of the cutting-edge research at Virginia Tech