

WHAT IS THIS THING CALLED STEAM?

By Merrie Koester, Ph.D.
University of South Carolina Center for Science Education

STEAM is
the **Art** of thinking and making
ideas, performances, and other artifacts
using tools (**Technology**),
Science knowledge,
Mathematical reasoning,
and design practices (**Engineering**)
in a coordinated manner so that each **STEAM** component
complements the others.

STEAM is
Teams of Teachers
working in COMMUNITY TOGETHER
to cross-train one another to
CREATE curriculum
that is transdisciplinary, inclusive, and empowering.

STEAM is a
creative PROBLEM-SOLVING approach featuring
multiple “C’ing” processes:

CARE
Cultural relevance
Creative process
Critical Thinking
Collaboration and Cross-training
Curating
Critique
COMMUNICATION

