WHAT IS THIS THING CALLED STEAM?

By Merrie Koester, Ph.D.

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 of many kinds, working in COMMUNITY TOGETHER to CREATE programs that are transdisciplinary, agentic, and generative.

STEAM is a

creative PROBLEM-SOLVING approach featuring multiple "C'ing" processes:

CARE

Creative design
Collaboration
Capacity building
Curating
Critique
COMMUNICATION