STEAM MINDED WV

MINDSETS and SKILLSETS

Mindsets are attitudes held by an individual that play a major role in motivation and achievement. Mindsets determine how individuals make decisions, approach opportunities, and handle adversity. Skillsets are specific abilities that allow individuals to accomplish tasks. The STEAM mindsets and skillsets are those necessary for student success in a STEAM-rich future.

CURIOSITY & IMAGINATION

Students value originality, generate new ideas, investigate life with curiosity, and ask questions.

GROWTH MINDSET

Students think about their thinking and reflect upon their actions and ideas.

COURAGE & RISK-TAKING

Students work outside their comfort zones, embrace adventure, stay open to new ideas, and strive to achieve their goals.

PERSISTENCE & GRIT

Students see a task through to completion, push through obstacles, and work to create solutions to problems. Students see challenges as a learning opportunity.

OPPORTUNITY-SEEKING

Students identify community issues and act to find solutions.

PROBLEM-SOLVING

Students generate alternative solutions to problems, think critically, recognize solutions, and proactively develop creative solutions.

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OPTIMISM

Students feel confident and hopeful in their ability to innovate solutions.
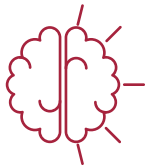
RESOURCEFULNESS & ADAPTABILITY

Students explore quick and clever ways to overcome challenges, with the understanding that they can always make adjustments.

EMPATHY & ALTRUISM

Students think about other people's needs and feelings and keep these in mind when solving problems.

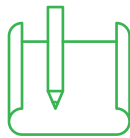## CREATIVITY

Students are bold and imaginative.

TEAMWORK

Students learn from new people and work with people with diverse perspectives, skills, and talents.

DESIGN THINKING

Students learn processes for problem solving that originate with empathy and compassion.

PROTOTYPING

Students create simple models to explain their ideas, get feedback, and learn how their solutions can be improved.

PUBLIC SPEAKING

Students create and deliver short, clean, persuasive arguments to rally people around their ideas.

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