

# CLASS DESCRIPTIONS

## FINISHING TRADES WORKED BASED LEARNING

**(HS Elective 2 credits. College 4.5 credits)**

Students will experience actual finishing trades work in a lab at the main campus along with classroom apprenticeship theory. This course gives real, hands on experience with finishing trades skills and knowledge in both a commercial construction and a manufacturing worksite environment.

Skills could include:

- Brush, roll and spray painting
- Glass and architectural aluminum handling and fabrication
- Drywall and coating finishing

Students will also earn an OSHA 10 credential and additional finishing trades safety training. Training will include virtual learning equipment in spray, blast, welding and equipment operation.

## COLLEGE PHYSICS

**(HS Requirement 1 Credit. College 2.25 credits)**

Students will experience physics applied both in construction and manufacturing worksite-like environments. This physics course will be aligned to Minnesota State Standards and to college level expectations.

Students will explore theory in the classroom and then experience and apply theory in the lab area.

All standards will be met at a college level including planning and carrying out scientific projects through the finishing trades by conducting finalizing trades projects and working out solutions. Standards and trades goals will be met. Course will include standards in:

- Investigation
- Data analysis
- Computational thinking
- Modeling and solution design



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## COLLEGE MATH

**(HS Requirement 1 credit, college 2.25 credits)**

Students will experience math applied in a construction and manufacturing worksite like environment. This math course will be aligned to Minnesota State Standards and to college level expectations.

Students will explore theory in the classroom and then experience and apply theory in the lab area aligned to the Minnesota State Standards.

All standards will be met at a college level including planning and carrying out mathematical projects through the finishing trades by conducting finalizing trades projects and working out solutions. Standards and trades goals will be met. Course will include standards in:

- Measurement
- Fractions
- Geometry
- Data analysis
- Probability Algebra

