



# THE SKATE PALACE STEM & SKATING



**A STEM field trip at Turner's Skate Palace will introduce students to how science, technology, math, and engineering are used to operate a family skating center.**

## STEM LESSON TOPICS INCLUDE

**Engineering Design & Processes, Newton's Laws of Motion, Forms of Energy, Law of Conservation of Energy, Forces, Friction, Acceleration, and Speed. The Skate Palace lessons encourage students to ask questions, define problems, carryout investigations, use models, analyze & interpret data, use mathematics & computational thinking, construct explanations and communicate their understandings related to state & the Next Generation Science Standards (NGSS).**

## STANDARDS SUPPORTED FOR GRADES 1-8

### (NGSS) Next Generation Science Standards

**Disciplinary Core Ideas (DCI's)**

**PS2: Motion & Stability: Forces & Interactions**

**PS3: Energy**

**ETS1: Engineering Design**

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