



**FOREST LAKE AREA SCHOOLS  
FOREST LAKE, MN 55025**

**November 14, 2019**

**AGENDA ITEM: 10.5**

**TOPIC: New Course Proposal – Engineering Design**

**BACKGROUND:**

In reviewing their scope and sequence of course offerings, the Industrial Tech department recognized the need for a comprehensive engineering capstone class that teaches students the engineering design process.

**PROCESS:**

This new course, *Engineering Design*, will leverage prior knowledge of manufacturing, CAD design, math and science together and allow students to integrate them through the engineering process, moving from problem to prototype to solution. Students will utilize the new Design/Fab lab for research and development as well as prototype construction, testing and presentation. The course outline and content overview accompanies this course proposal.

**RECOMMENDATION:** First Reading of Proposed New Course

*\*To be offered in 20-21 pending Board Approval*