

The background is a dark blue gradient. In the four corners, there are decorative white line-art elements resembling circuit traces or neural network connections. These elements consist of thin lines that branch out and terminate in small circles, creating a sense of connectivity and technology.

STEM ENGAGEMENT THROUGH INDUSTRY AND EDUCATION PARTNERSHIPS

PRESENTER INTRODUCTION

- Michelle Miller-Recruiting Manager-KLJ
- Paul Keidel-STEM Teacher, Bismarck Public Schools
- Gary McDaniel-Surveyor-KLJ



INDUSTRY PARTNERSHIP

MICHELLE MILLER-RECRUITING MANAGER



WHY STEM?

- Why does KLJ get involved?
 - Community
 - Talent pipeline
 - STEM is everywhere
 - There will be a shortage in STEM related field by 2020

OPTIONS FOR INVOLVMENT

Programs & Expos

- First Tech Challenge
- Educators in Industry
- Introduce a girl to Engineering Day
- Health Trade & Tech Expos

Additional Options

- ND South West Regional STEM Network
- Job shadow opportunities
- Classroom participation

The background is a dark blue-grey color. In the four corners, there are decorative white line-art elements that resemble circuit traces or network connections. These lines are thin and connect to small white circles, creating a sense of connectivity and technology.

RELATIONSHIP BUILDING

- Partnerships with educators
- Networking with businesses
- Creating life skills for students

INDUSTRY & K-12 EDUCATION WORKING TOGETHER

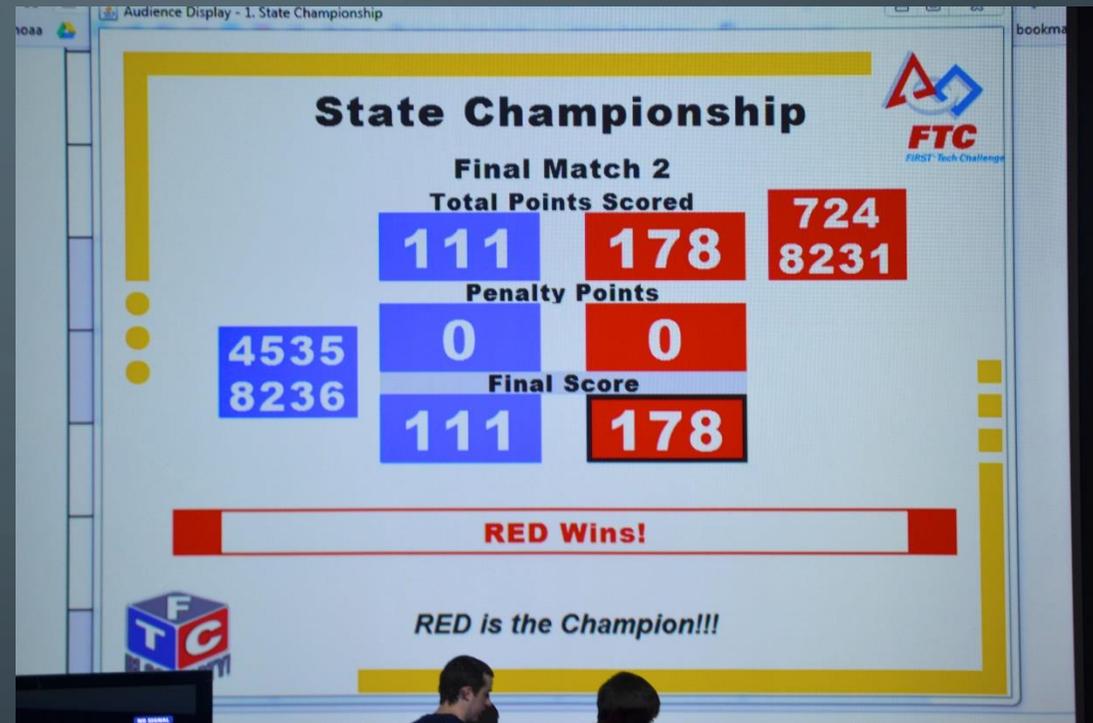
PAUL KEIDEL-STEM TEACHER



FTC TOURNAMENT

In-kind donation of time to the tournament

- Volunteers
- Judges
- Inspectors
- Mentors
- IT Support



STUDENT EXPECTATIONS

DEVELOPMENT OF STEM SKILLS

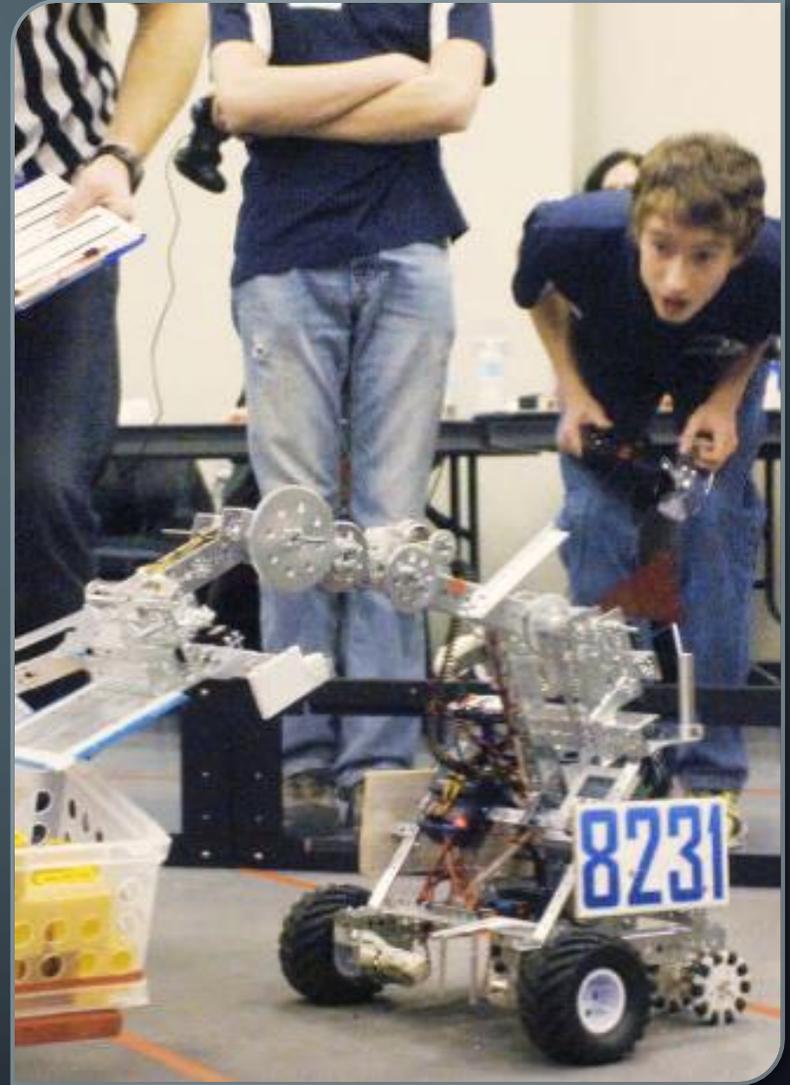
3 DIMENSIONAL LEARNING

(CRITICAL THINKING, COMMUNICATION, CREATIVITY, COLLABORATION)

- Presentations
- Interviews
- Inspections
- Engineering Design Notebooks
- Fair Competition
- Manufacturing
- Programming
- Problem Solving
- Decision Making
- Reasoning
- Research
- Innovation

INDUSTRY SUPPORT

- Grants to Teams
 - Equipment
 - Mentor Stipends
 - Travel
 - Awards



CHAMPION STUDENT TEAMS, COACHES AND MENTORS

- ND STEM Regional Meetings
- Professional development conferences
- Conferences like this one





MENTORSHIP

GARY MCDANIEL-SURVEYOR

