

SKILLED TRADES & STEM

K-6

SY 22/23 TO SEE NEW PROGRAMS AT BELL INTERMEDIATE

Bell Intermediate Academy (BIA) will see an increase in STEM programming next school year. The MSD of Martinsville's STEM (Science, Technology, Engineering, & Mathematics) planning team and BIA are working to implement Project Lead The Way STEM electives for ALL 5th and 6th grade students. This is an exciting change for BIA and demonstrates the district's commitment to programming options that represent all of our specialty elementary programs.

ELEMENTARY TEACHERS FOCUSING ON STEM TRAINING

In the summer of 2022, our teachers will train in the PLTW approach to teaching STEM. In school year 22/23, all classes in every elementary school will travel to the Innovation Center at Brooklyn STEM Academy for an immersive 2-day STEM experience.

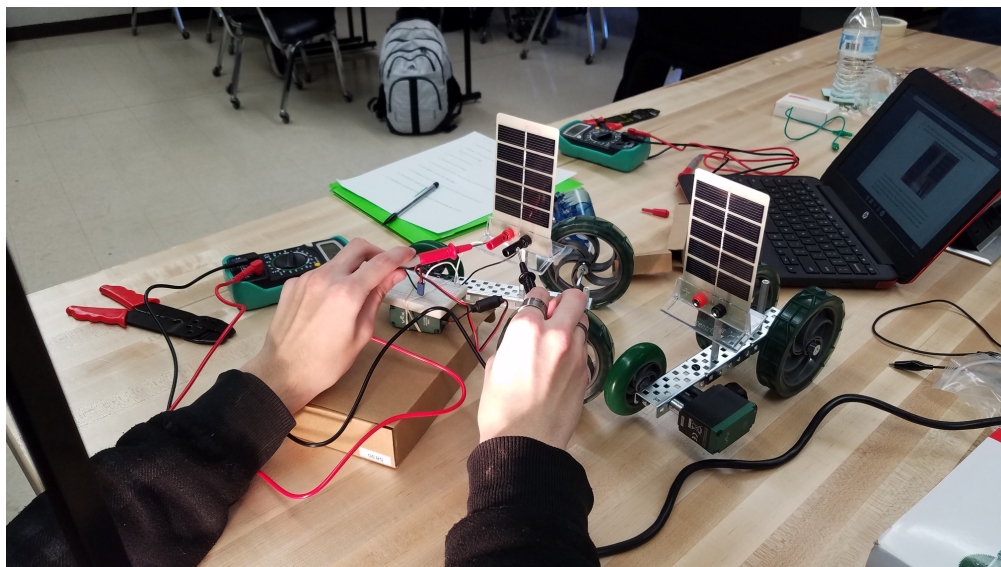
During the 22/23 school year, teachers will continue familiarizing themselves with the PLTW approach and be able to spend quality time developing a plan to implement PTLW in their classroom for school year 23/24.



WOODEN

SKILLED TRADES COMES TO JRW MIDDLE SCHOOL IN 2022

John R Wooden Middle School will offer THREE new skilled trades classes next year AND expand STEM programming in 7th grade science classrooms. This is an exciting opportunity for our students, as 7th graders collectively plan a mission to Mars and 8th graders can now take an engineering, construction, or agriculture elective class. Programming changes at Wooden will help support our students as they transition into MHS and choose a graduation pathway.



MHS

MHS READY TO GO WITH PLTW ENGINEERING

Did you know that taking two Project Lead The Way classes in high school can qualify you for immediate scholarships at 10 universities in Indiana? MHS currently offers PLTW Bio Medical and Computer Science Courses. With the start of the 22/23 school year, MHS will now also offer PLTW Engineering courses. With these new courses comes new engineering equipment, updated computer hardware and software and new faces in Engineering. Welcome Mrs. Hannah Bright-Hughes and Mrs. Schoolcraft to the engineering team!





STEM/Skilled Trades Implementation Timeline

SY 20/21



Implement PLTW
Computer Science

SY 21/22



Implement STEM
Coordinators/
planning team

SY 21/22



Develop STEM
Implementation
Plan

SUMMER 22



Professional Development
Training: PLTW Launch,
Gateway, Core

SY 21/22



Pilot STEM Field Trips to
Innovation Center

SY 22/23



Curriculum Updates

- 1) K thru 6 - Innovation Center Field Trips
- 2) BIA - STEM Electives
- 3) Wooden - Embed STEM Gr 7, Add Eng, Const, Ag
- 4) MHS - PLTW Engineering Revamp

SY 22/23



Staff Development

- 1) K thru 6 - Launch Lead Team
- 2) Wooden - Gr 7 Curriculum Update Team
- 3) All Schools - Targeted PD in STEM

SY 24/25



Full Implementation of Programming
Modification of Plan
MHS Capstone Consideration

SY 23/24



Curriculum Updates

- 1) K thru 4 - STEM Launch Modules Enhanced in ALL Elementary Schools
 - 2) Consider Engineering expansion MHS
- Staff Development
- 1) Continual Refinement all levels



**MARTINSVILLE SCHOOLS - where Industrial,
Agricultural, and Modern Sciences come to life**

OUR STUDENTS WILL BE
MORE prepared for BETTER jobs in our GROWING community,
NOW and in the FUTURE!

STEM & Skilled Trades Curriculum Team

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