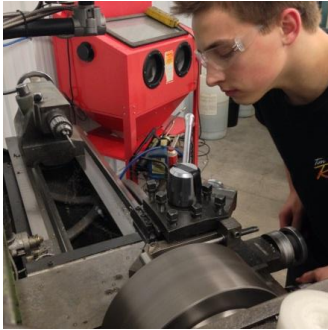


Shawn Volk – Lead Instructor and Math Instructor  
Chris Choudoir – Science and Bio-Medical Sciences Instructor  
Dan Van Eperen – Humanities Instructor

Jon Larson – Engineering and Manufacturing Instructor  
Kevin Pratt – School to Career Liaison and Counselor  
Amy Vander Zanden – LCCPA Administrative Assistant

## Student Spotlight: Zach Frederickson

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Zach Frederickson is spending the afternoons of his senior year working at 4M Machining as part of the state youth apprenticeship program. Zach's experience at 4M has confirmed his interest to continue down the manufacturing career path which he finds interesting and fulfilling. In the fall after graduation, Zach will enroll full time at Fox Valley Technical College in the Machine Tool Technician program. Zach continues to put forth a supreme effort towards his coursework in the Little Chute Career Pathways Academy. He has demonstrated the ability to be a self-directed student and employee, and he has also taken on a leadership role in the construction of the LCCPA Christmas parade float for Children's hospital. Our congratulations to Zach for being our spotlight student!

## Partner Project

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Little Chute Career Pathways Academy students have again undertaken the responsibility of designing and building a Christmas parade float for Children's Hospital. Led by Hannah Dornfeld, the team of Allison Vandenberg, Ben Verbruggen, Zach Frederickson, Zach Verbruggen, and Michael Elrick have been devoting many hours to getting the float ready for the November 25<sup>th</sup> parade. The float is undergoing its finishing touches, and the programming of music and lights is in full swing. We would like to thank Rose Fochs from Children's Hospital for providing our students with the opportunity to acquire and practice a large number of real life work skills, including project planning and management, construction and fabrication, and teamwork. The value gained by our students by participating in such a project truly can't be measured.



## New School-to-Career Liaison: Introducing Mr. Kevin Pratt

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Mr. Kevin Pratt has recently taken on new roles as the counselor and school to career liaison for the Little Chute Career Pathways Academy. This is Mr. Pratt's 25<sup>th</sup> year as a counselor with the Little Chute School District. With Mr. Pratt, LCCPA is consolidating the roles formally held by Ms Anna Schlimm [School-to-Career Liaison], Mrs. Cindy Heath [LCCPA Counselor], and Mr. Mark Manske [Youth Internship Coordinator].

Mr. Pratt's position will allow him to help students as they develop their post-secondary transition plans and to work closely with our work LCCPA partners in maintaining our career exploration program. Along with his counseling responsibilities, Mr. Pratt is the varsity boys & girls' golf coach, diversity club co-advisor and an advisor of the mustang mentor program.

## Project Lead The Way

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“When students understand how education is relevant to their lives and future careers, they get excited. Invoking excitement is what PLTW does on a regular basis and the reason our students are successful.” This quote from the Project Lead The Way website describes why we have chosen this curriculum as the backbone of our career preparation coursework for our Engineering, Manufacturing, and Technology and Health Sciences pathways.

We currently teach three classes to our health science students: Principals of the Biomedical Science, Human Body Systems, and Medical Interventions. In these courses, our students are given a phenomenal background in the scientific principles underlying the health care field. Students take part in wide variety of hands-on, minds-on activities, labs, and projects.

We also are currently teaching two classes to our Engineering, Manufacturing, and Technology students: Introduction to Engineering Design and Principals of Engineering. These classes emphasize the skills of collaboration, communication, and critical thinking, which are relevant to any career that a student may find in the manufacturing field.

We look forward to providing you with updates about the exciting activities our students are working on in our PLTW courses!

### Project Lead The Way Update: Principals of the Biomedical Sciences

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Principals of the Biomedical Sciences (PBS) focuses on analyzing the untimely death of a fictitious individual named Anna Garcia. Throughout the course, students use the context of Anna’s death to learn about new scientific concepts. For example, earlier in the year the class reviewed Anna’s autopsy report. Through the exploration of DNA evidence and the autopsy report, it became clear to the students that Anna died of natural causes and was not murdered. While analyzing Anna’s autopsy report, students began reviewing the rights and regulations granted through the Health Insurance Portability and Accountability Act (HIPAA). This is an excellent classroom-to-real-life connection for our medical pathway students, who need to be acquainted with the limitations of sharing personal medical information with others as they continue investigating career opportunities presented via our health care partners.

More recently, students completed glucose tolerance testing and insulin testing to diagnose Anna Garcia as a Type 1 diabetic. In turn, students began to analyze a proper diet Anna should follow to minimize risk factors associated with this disease. To better their understanding of the role insulin plays in the body, students designed and presented three-dimensional models to a panel of experts. The model needed to demonstrate proper insulin function, the lack of insulin (Type 1 diabetes), and improperly functioning insulin (Type 2 diabetes). All students did a fantastic job with this project and created excellent artifacts for their electronic portfolios

