



MAKING THE Connection TO Career Technical Education

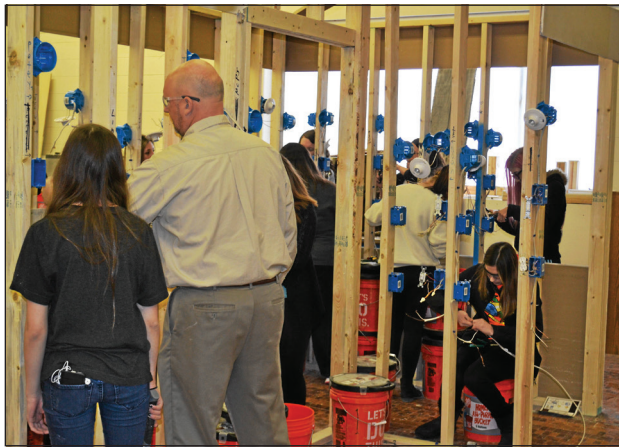
Thursday, April 20, 2017

Building a Solid Foundation for the Future

Education helps students gain skills to better themselves in their adult life. Math teaches students how to formulate value. English teaches students how to speak properly in a formal setting. Lake Shore offers classes that are a bit more unconventional. Introduction to Building Renovation, Girls Introduction to Building Renovation, and Building Renovation, are taught by Chris Mazzola and introduce students to the skills needed for the future. Mr. Mazzola has almost 30 years experience in the construction trades. In his classes, you go from choosing the right type of wood to build a shed, to wiring your house

like a pro. Mazzola is preparing students for the future by teaching them how to properly handle any home improvement project that needs to be done.

Mr. Mazzola says that the class covers over half a dozen trades; carpentry, plumbing, drywall, electrical, masonry, painting and more. All of these skills become useful for students as they become young adults and start to live on their own. The aspiring roofer or carpenter will be right at home in this class. Whether you want to be an electrician or install ceramic tile, hang drywall or become a plumber; all of those beginning skills are taught. Everything that is



Mazzola trains students to wire lightbulbs to manual switches.

taught helps students gain skills that are useful. "Even if you aren't going into the

trades, the knowledge is life long," says Mazzola, who has put numerous

hours into working on his class and its curriculum. Students can save a lot of money on repairs if they know how to fix an issue themselves. The advanced class, Building Renovation, is two full class periods (4th and 5th hours) and lasts the entire year.

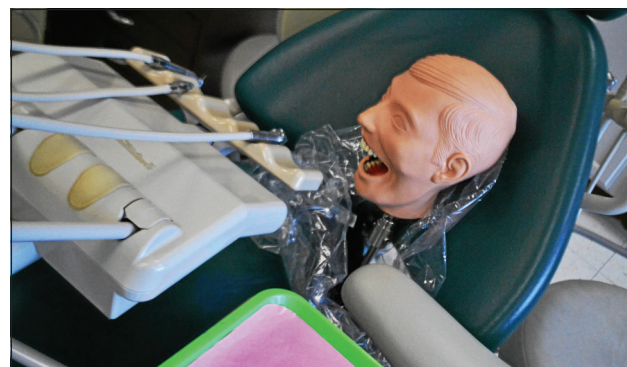
One of the big appeals to Building Renovation is the yearly project in which all students help renovate a local home in the community. A house that was purchased for only \$1 and progressively had work done to it by the returning classes. It has been six years since the initial purchase of the house, and work is always being done. "It could have been

done in a few years, but we only do parts of the house every year," says Mazzola. "We may do a few windows this year, a few the next, or paint a couple of rooms this year and a couple next year. This way each class of students gets a chance to practice as many trades as possible."

Another tool in Lake Shore's repertoire of skill building classes, Building and Renovation, hits the nail on the head with great experience. Students can gain a plethora of life-long skills that would benefit anyone, even those not in the trades. The experiences from these versatile courses are quite electrifying.

Dental Students Shine

Lake Shore High School offers an array of Career Technology Education courses, one of which is Dental Careers. Deborah Spellicy has worked more than 20 years in the dental community, including in private practice, office management, operating room dentistry, and at the University of Detroit Mercy Dental School and Children's Hospital of Michigan. To add to her extensive resume, she teaches the Dental Careers class.



Dental students get a real feel for the job with lifelike demonstrations.

Dental Careers is a two year long course, covering medical terminology, the use of dental instruments, controlling infection, and safety. As it is spread amongst junior and senior year, these classes are considered separate. Dental I is the intro course while, "Dental II are grads of Dental I who come back and learn the medical curriculum and have an option of going out on Co-op," says Spellicy. Dental II is considered an advanced course for heavily interested students.

After Dental II, students are able to earn a college credit in Medical Terminology. They will also become OSHA (Occupational Safety

and Health Administration) certified and are able to begin the Co-op program, in which they work in real dentistry offices. Whether a student has interest in being a dental assistant or an orthodontist, this course gives students a step up for college and future interning opportunities.

While the class is held at Lake Shore High School, students from all over Macomb County are eligible to take the course. "About 20% of my students come from other area schools... Lakeview, South Lake, Rosenville, and Grosse Pointe," said Spellicy. While any student has the option of con-

sidering the class, there are some traits that they should possess before applying. According to Spellicy, "Students who may be interested in helping others keep their smile healthy, who are compassionate, and who may want to explore dentistry should try my classes."

Previous Dental students who have excelled in the two year course have been found to have profound careers in the Dental Industry. Spellicy explains, "I have had many students go forward to work in dental offices, become hygienists, and one currently in dental school to become a dentist."

Lake Shore Public Schools Strengthen Marketing Abilities

In America's capitalistic society, marketing degrees are in high demand; therefore, Lake Shore High School offers Introduction to Marketing, Marketing and Sales, and Marketing Manager classes for students. "A majority of jobs in the U.S. involve some aspect of marketing," said Janice Radlick, Lake Shore High School's Marketing teacher.

In Introduction to Marketing, students learn the basics of marketing, including marketing functions, marketing strategies, advertising, and the legal and ethical responsibilities of a marketer. Introduction to Marketing helps students prepare for the more challenging classes: Marketing and Sales and Marketing Manager.

Marketing and Sales gives students a chance to demonstrate their marketing skills by working in the Shorian Shop (Lake Shore's school store) as well as learning in the classroom. Students work on advertising and promotional events for the

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— Janice Radlick, Lake Shore High School's Marketing teacher

Shorian Shop, select merchandise, set prices, prepare store displays, and practice their sales skills.

In the Marketing Manager class, students manage the Shorian Shop, including training and scheduling workers, managing inventory, tracking sales, and learning about the financial aspects of running a business. Only students who demonstrate leadership qualities, knowledge of marketing, and have sufficient drive become managers. Students who qualify to take the Marketing Manager class have a unique opportunity to gain business experience while in high school.

Taking the Marketing classes are extremely beneficial for the students as they can take the classes with no prior requirements, compete in competitions, and gain hands-on

experience with business skills. By participating in a marketing competition, students learn how their marketing skills measure up to other students, and simulate a real-life business experience. This year Lake Shore High School won second place at the Michigan First Credit Union (MFCU) headquarters by presenting a marketing plan to a panel of marketing executives.

When asked, Jon Tomlian, a senior and one of the students who competed for second place, stated that, "It was tough... I got to practice my public speaking and I enjoyed going up there and presenting."

The students also have the chance to attend a seminar at businesses in the area, where they learn about the types of business practices used by the marketing executives of the business world.

Medical Students Receive Real World Experience

With the medical field as a pillar of our society, many students find themselves longing to be a part of it, and aid in everyday societal medical needs. One of Lake Shore's Career Technology Education courses, taught by Hilda Martin-Lynch and Deborah Spellicy, highlights the aspects of medical programs. Health Science I and II are classes designed for juniors and seniors interested in getting involved in the medical field.

"[This course] helps prepare students who are interested in the healthcare field. Students learn human anatomy, medical terminology and basic skills that can be applied in all areas of healthcare," says Martin-Lynch, the primary head of the Health Science department. Divided amongst two years of school, these classes are split into an introductory course, being Health Science I, and a

class based on expanding the knowledge learned in the prior course, known as Health Science II.

Health Science I is majorly focused on medical terminology and the basics of health. Students learn about anatomy, disease, and body systems. The topics taught in this class include basic healthcare skills such as taking temperature/pulses, proper hand washing procedure, bed making, and putting on personal protective equipment. As such, they're tested on these skills throughout the class, to guarantee their future careers are one filled with proper practice and knowledge.

Health Science II offers a more in-depth look into medical careers. This course offers a wide array of job shadowing for their students, unlike the prior introductory class. The class goes to Beaumont Hospital in Grosse Pointe and

ShorePointe Village, which is an assisted-living facility. They get a true feel of not only the medical world outside of the classroom, but the professional aspect as well. This offers credibility to the student for future interning, college, and job opportunities. Because of this, this class is for students who are serious about going into a career in the medical field.

Many students are eligible to take Health Science; however, students interested should ask themselves if they meet the following criteria. As said by Martin-Lynch, "Generally it is for students who are thinking about getting into the medical field although it is open to all students. Sometimes students realize that this field is not what they thought it was going to be after getting some first-hand experience and more in depth knowledge."

Design Class Allows for Creative Atmosphere

Students interested in design, architecture, or mechanics might find themselves out of place in "normal" high school classes, but not at Lake Shore. Melissa Todaro's shop and computer lab classrooms are well equipped for students to explore skills that they might use in future careers as graphic designers or mechanical engineers.

Todaro is very proud of her classes, and she made it clear that her classroom is where the future engineers of St. Clair Shores should be. "Mechanical is more your math, science, and technology. It is a lot of designing and building," says Todaro, explaining her mechanical engineering class. On her architecture class, Todaro said, "Architecture is for people who like to design houses and bridges and that kind of stuff. Interior Design is for anybody

who likes to shop and decorate, it would be their kind of thing."

Lake Shore offers classes that do not follow the norm and rather fit the interests of a wide range of students in the community. Courses like Interior Design, Architecture, and also Mechanical Engineering are offered to juniors and seniors only, although the introductory courses are offered to all four years. Unlike other sets of courses, the introductory class is not mandatory.

Upperclassmen looking for a place to learn about work in design and industry, is all they need. However, experience, whether it comes from the introductory course or not, is still recommended.

These courses have many benefits. For example, "We have some Co-op and that's picking up, we

have a few students who are out on the job and they actually just got hired full time," commented Todaro. Also, taking both years can offer students the chance to earn college credit at colleges such as Macomb Community College.

Being in a traditional class can be difficult for some students; however, these courses are much different. Todaro stated, "We are not in nice neat rows, it is kind of an organized chaos in here." This can benefit students and possibly aid their creativity in the class. Although there are still due dates and deadlines, students work at their own pace and be creative as they desire.

Macomb county residents aspiring to design work with technology, or have an interest in math or science could benefit from this course.

Anchor Bay Schools
Armada Area Schools
Center Line Public Schools
Chippewa Valley Schools
Clintondale Community Schools
East Detroit Public Schools
Fitzgerald Public Schools
Fraser Public Schools
Lake Shore Public Schools
Lakeview Public Schools
L'Anse Creuse Public Schools

For more information about CTE, contact Shannon Williams at 586-228-3488 or swilliams@misd.net



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44001 Garfield Road
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586-228-3300

For more information about the MISD and the 21 school districts, go to www.misd.net

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New Haven Community Schools
Richmond Community Schools
Romeo Community Schools
Roseville Community Schools
South Lake Schools
Utica Community Schools
Van Dyke Public Schools
Warren Consolidated Schools
Warren Woods Public Schools