

MAKING THE Connection TO Career Technical Education

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Brushing up on dental careers

By Detangdra Morris

Lake Shore High School offers a successful CTE dental program for interested students.

Lake Shore's dental program gives students first-hand experience on being a dentist or dental assistant. Students also get the chance to job shadow someone who pursues a career in the dental field.

Deborah Spellicy, teacher of the dental program, stated, "Dental Careers prepares the students for entry levels of the dental office to be a dental assistant and exposes all dental careers and learn some basic skills."

Dental Careers gives students the chance to use hands-on instruments which are used in the field. Students also conduct productive projects showcasing what they learned.

Spellicy continued by saying, "I think it gives them a head start on getting their career started or giving them a head start to finding out if they like it." Students in Dental Careers can decide if furthering their education or entering the field is right for them through exploration and high school credits.

Students from the Dental Careers program can be hired to work in dental offices during or right out of high school. Spellicy added, "Things that they learn, they would be doing in an office every day." They can also accumulate college credits by passing a medical terminology test at the end of the program. College credits for students in this CTE program are within reach, and students really enjoy the instruments, projects, and most off all being a part of this class.

This class is an easy sell

By Leslie Govea-Mireles

Interested in conducting research, learning about consumer requirements, habits and trends? Lake Shore High School's Marketing CTE class does just that by bringing students face to face with the business world. The course, taught by business teacher Janice Radlick, allows students to interact with and gain experience from the business world. To ensure course comprehension, it's recommended but not enforced that students complete Intro To Marketing and Computer Tech, prior to enrolling in the class.

Once enrolled, students gain experience by working within the school in the school store - the Shorian Shop; applying material learned in the classroom - outside of it. In addition to working within the school, students travel outside of it, and work to unmask the marketing behind everyday buys. Most recently, this came in the form of a visit to the Detroit Auto Show, where students studied the strategy behind successful merchandising, in addition to a trip to the Little Caesars

Arena to learn about entertainment marketing. As stated by Radlick, "We were doing a merchandising unit so we were looking at the displays and the lighting and the colors that the car manufacturers chose."

Regardless of whether a student is looking to pursue a future in marketing or not, taking the course would only serve to strengthen and create new work skills. As put by Radlick, "This is not stuff you learn from a text-book and never look at again. This is stuff you look at everyday as you go on in your life, it's life skills, very important life skills." Adding that, "It's a rare opportunity for students to really learn things that they will carry with them to the business world." Adding that, "Even if they choose to start their own business or go into the trade, you still have to deal with customers, you still have to learn about pricing."

Ultimately, taking and completing the course is a worthwhile endeavor that would instill in students the soft-skills employers are looking for, as well as real world business experience.

Transforming Lake Shore students into the medical professionals

By Allison Rafferty, Claudia Belleperche

This class is offered over the span of two years. Starting in junior year, students can take Health Science I, which is an all year class (three trimesters), in which they will learn a variety of topics.

Health Science I and Health Science II teacher Hilda Martin-Lynch states, "Health Science I learns medical terminology."

Students learn this by creating flashcards and taking tests weekly. This preps them for the Medical Profession and all the vocabulary that is used in it. Martin-Lynch also adds, "Students also learn about the healthcare system and the legal and ethical issues that can occur."

This includes HIPAA, (The Health Insurance Portability and Accountability Act), and basic knowledge of ethics in the Medical field. She also states, "Safety is covered where students learn basic skills such as proper hand washing and donning personal protective equipment (gowns, masks, gloves)." Students are able to learn about the basic use of Personal Protection Equipment, and how to properly wash hands before dealing with a patient.

In Health Science I, students also learn how to properly make a hospital



Haley Marsiglio (left) and Mackenzie Maison (right) work with anatomical models

bed according to OSHA standards.

Health Science II, is the second part of the CTE experience, this class is also a year long course. Martin Lynch states, "HS II learns about employability skills, communication and teamwork which helps them prepare for job shadowing in a local hospital. Students acquire job shadowing hours at different departments of the hospital

throughout the school year." These job shadowing opportunities help students to better their idea of the medical fields environment, and all that it entails.

In addition to experience, job shadowing is a large part of each student's grade in the class. Plus, students learn basic skills such as filing records, using the telephone, scheduling appointments,

maintaining a bookkeeping system, and completing insurance forms. Some other topics included are growth and development, and geriatric care.

There are many benefits to taking the Health Science Courses. Martin-Lynch reveals that students who take the classes "will have an advantage when entering the healthcare field." Students learn everything from medical terminology to basic skills.

"If the student passes the final terminology test with an 80% or better", Martin-Lynch explains, "they may earn college credits at specific colleges." Students also have the opportunity to job shadow, "Job shadowing provides a chance to make connections with other is the healthcare field and may lead to entry level jobs. Students are able to experience many different areas to find where their interest lie."

This year, there were many notable events that students had the opportunity to take part in, from guest speakers to Baker College visits.

Martin-Lynch adds, "We also have WSU C2 Pipeline coming next month to provide a dissection activity. We also offer an opportunity to join HOSA-future health professionals which offers many activities including leadership competitions at the local and state level."

Designing a curriculum for innovative students

Nicole Lorenz

Students at Lake Shore High School can obtain a unique experience in their future career field, and one of these offerings is Interior Design.

At Lake Shore, the Interior Design class is taught by Melissa Todaro. Interior Design is designed for someone pursuing a career in interior design, office, and party planning. Todaro explained, "Students gain a strong grasp on why and how the buildings around them are dec-

orated and how to potentially start themselves."

Intro to Architectural Design, offered to 10th through 12th grade students, teaches freehand sketching, lettering techniques, technical and elevation drawing, blueprint reading and basic floor plans, basic room layout, history of home styles, architectural standards, and careers. Todaro stated, "While it isn't required, it's highly recommended to take the class's respected intro class that is offered." Interior design I, offered to 11th and 12th

grade students, teaches the basics such as floor and roof plans, elements of design, faux finishing, furniture/home styles, furniture design/refinishing, wallpaper hanging. Students will also be introduced to Architectural AutoCAD software and EZ-Home Decorator. After successfully completing Interior Design I, there is a choice to take Interior Design II. This class, offered only to 12th grade students, teaches 3D model construction, client consulting/estimating, presentation and

portfolio building, and hands-on design experience. Students will redesign and create presentation boards complete with color, fabric swatches, sketches and rendering for a client's room. After presenting, they will create the room in reality.

Students in all of these areas will have the opportunity to compete in local and/or national competitions and team building projects. Students will also be able take part in the miniature house group project and the haunted house.

A class engineered for student success

By Kevin Dombrowski, Joshua Tennant

For students interested in engineering, computer design, and other technology trades, Lake Shore's mechanical engineering and CAD classes are the perfect courses to take. Melissa Todaro's CTE classes, from architecture to mechanical engineering, teach everything there is to know about these trades. Using computer aided design, 3D printers, and every day hands-on learning, these class excels in teaching technology.

Todaro teaches three classes in her multifaceted double classroom: Mechanical Engineering I and 2, Architecture, and Interior Design.

Featuring a full computer lab, workstation, and full-size workshop full of power tools and building equipment, students are always hard at work on the next big project.

Mechanical Engineering, an all year class, focuses a lot on computer aided design to draft and create things.

This class is wonderful for students looking to get a head start in a career of

engineering. "Students will get a head start on their peers in college because of the industry standards we teach and also gain basic building skills," says Todaro.

Some projects would include building light boxes that were designed on CAD and designing a cardboard boat and testing it at Stony Creek.

Mechanical Engineering is the best choices for students who want a career in technology or engineering.

With this mechanical workshop always in motion, these Shorians look forward to the next big project.

Architecture gives students real-world advantage

By Mia Hahn

Lake Shore offers a wide variety of classes that other schools couldn't dream of competing with. The Architecture Design classes are just some of the many kinds of unique courses offered here at Lake Shore.

The classes are specially designed for students looking to pursue a career in architectural design. In the classes students learn about the building and designing aspect of the job. Students learn by drafting, constructing, and working

on blueprints while additionally working on designing and building residential homes. Throughout the classes, students complete projects and assignments that further their understanding of the craft.

Not only do the students gain a greater understanding of the craft, but they learn to overcome challenges as well. Students, with the aid of teacher Melissa Todaro, work through, and learn how to conquer new problems in architecture.

"Students gain an understanding of the ins and

outs of presentation drawings, blueprints, technical drawing and model construction and a head start on their peers in college," says Todaro.

She believes that even though the class needs a little elbow grease, the hard work is more than worth it for the leg up students gain over their college classmates.

Students who are willing to put in the effort for these unique classes will thrive, and through this, gain a greater understanding of architecture, and the skills necessary to pursue it as a career.

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