



Thunderbird Trades Student Creates Patriot Auto License Plate

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A year ago, 18-year-old Cody McGee from Oklahoma City didn't see himself designing an Oklahoma license plate that will be seen by thousands of drivers.

He didn't see much in his future at all.

However, since completing Thunderbird Youth Academy and continuing his education in the Thunderbird Trades Academy at OSU-Okmulgee/MAIP, he has decided on a career path, he has plans for his immediate future,



and he has a professional design project to his credit. Last fall, TTA students

enrolled in the Design Drafting program were issued a challenge by TTA staff to develop a design after Rep. Ryan Kiesel, D-Seminole authored the legislation that created a specialty license plate in an effort to raise funds to buy body armor for deployed Oklahomans.

"Not only will the license plates show our support for Oklahoma's men and women in uniform, but they will make a meaningful contribution to their safety both at home and abroad," said Kiesel.

Cory's design was chosen.

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The plate, designed in consultation with the Military Department of Oklahoma, is available for \$35.00 at tag agencies. Twenty dollars of the cost of the plate is deposited into the Patriot License Plate Revolving Fund. The remainder pays the tag agent and cost of the plate. This fund is used to purchase protective body armor for Oklahoma residents who are currently deployed in military service.

Enrollment for
Summer Classes
begins
March 20

Classes Begin
May 1

LEGOs Connect Industry and Education

Norit-Americas Pryor Plant Manager Travis Mileur understands the importance of exposing young people to technology and manufacturing. That's why he made it possible for 5th graders at Roosevelt Elementary School in Pryor to attend LEGO Engineering 101.

"We're happy to be a sponsor for this worthwhile project," said Mileur.

Students participating in the two-day session learned how to build and program LEGO robots to complete challenges.

Although LEGOS are fun, the program is designed to develop understanding of



Hard-working students from Shelly Nutter's 5th grade class at Roosevelt Elementary enjoy a creative moment with their teacher and Kim Sisk, their school counselor at the recent day-long LEGO camp. Dawnmarie Poplin's class also spent a day at the Center. Norit-Americas Pryor Activated Carbon Plant sponsored the two-day event at the OSU-Okmulgee/MAIP Center. Chris Soap and Brenda Reno of Norit-Americas assisted and enjoyed the experience.



mathematic principles used by engineering professionals. Students enjoy the associated math activities because they see the results of their work, and they see how what they do in the

LEGO session relates to manufacturing environments. A tour of the OSU-Okmulgee/MAIP labs is also included in the sessions.

"LEGOs are excellent teaching tools because they really engage students," said Scott Fry, Manager of the OSU-Okmulgee/MAIP Training Center.

"It's a great opportunity

to open students' eyes to the rewards of technical education, engineering and manufacturing."

In addition to the grant provided by Norit, the Pryor Academic Excellence Foundation (PAEF) provided a grant to Pryor's 6th Grade Challenge class.

The grant allows students to visit OSU—Okmulgee/MAIP

once a month during the school year and learn engineering concepts through applied projects. This year's program builds on the participation of the class as 5th graders last year in the Engineering 101 and 102 program.

Seventh graders from Adair Public Schools also participated in Engineering 101 in January.

Innovation Center Welcomes First Client

Non-Metallic Sciences projects may yield significant advancements

Collaboration with several private research groups and government entities brings the first high-tech client to the OSU-MAIP Small Business Innovation & Incubation Center.

The Innovation Center Advisory Committee gave approval in February for Chuck Woodson, President of Non-Metallic Sciences, to move in to the Center.

Woodson and his wife Carolyn own the company which specializes in development of innovative polymers, monomers and elastomers for use in civilian and military applications.

Currently Non-Metallic Sciences is involved in the development of epoxies and coatings using polymer technology. However, the company wants to expand its operation into other divisions.

As is typical of most technology entrepreneurs, Woodson's has several projects in development. "Sometimes my life seems like a three-ring circus," said Woodson.

He is teaming with the CEO of Swift Enterprises Ltd., Dr. John Rusek of the Purdue Research Park, to enhance the efficiency of military armaments

through the use of new materials.

"The work we are doing is really exciting, very innovative and will be of definite benefit to the military. Preliminary tests show promise in development of this technology," says Woodson.



Additionally, Non-Metallic Science is involved in development of fuel cell technology and alternative, renewable fuel research and development.

"We are very pleased to welcome a new company with the scope of Non-Metallic Sciences," said Dr. Bob Klambenes, president of OSU-Okmulgee and Chair of the Innovation Center Advisory Committee. "Companies like Non-Metallic Sciences represent the future of Northeast Oklahoma."

New Machining Program Answers Industry Need



A student spends time at the lathe in the OSU-Okmulgee/MAIP machining lab.

In response to the shortage of qualified machinists, OSU-Okmulgee/MAIP has created a new, short-term machining program.

Students in this program learn basic skills including applied math and the use of measuring devices and blueprints. They then move

on to learning how to operate common shop machines which includes lathes, mills, drill presses and saws.

The four-month program provides exposure to the skills required for an entry level machining position.

Eighteen students are currently enrolled in both evening and daytime classes.

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Spring Classes at Capacity

Increased enrollment for the past two semesters has led to maximum capacity this during the Spring 2006 semester. All but one course offering at the OSU-Okmulgee/MAIP facility this Spring reached maximum enrollment on or before the first day of class.

Training Center Manager Scott Fry is happy that the facility is meeting demand for coursework, but those students who tried to enroll at the last minute were surprised when they were told classes are full.

“We are happy that our courses are full, but we

encourage students to begin their enrollment early for upcoming semesters to insure their place in the class.”

Summer enrollment begins March 20.

Space is currently at a premium. Most days all classrooms are full both days and evenings.

Visit us on the Web

<http://www.osu-okmulgee.edu/maip>
<http://www.osu.okmulgee.edu/maip/incubator>

TTA Student Designs License Plate

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“The project was fun. I wanted a flag in motion, and I had to work to get the shading just right,” said Cody.

The design project took Cody two days to complete in the CAD lab at the OSU-Okmulgee/MAIP center.

Cody will “graduate” from TTA with 30 college credit hours and a certificate in computer aided design and drafting this spring. And after graduation, he wants to join the

Air Force and work with— of all things— computers.

“I’d like to work in telecommunications, maybe get some experience in working with the servers and the hardware,” said Cody. “And then I want to finish my Applied Science degree at OSU-Okmulgee in Information Technology.”

Glenn Rowan, instructor for the TTA CAD class, is impressed with his student’s ability.

“Cody has proven to be a very capable drafter, and

as a testimony to his hard work, he was able to create something with far reaching significance. To be able to have your work put on display in such a manner is a great achievement, especially in the short amount of time he has been involved with computer aided design,” said Rowan.

“I would like to see Cody’s face the first time he sees his license plate on a vehicle traveling down the highway,” said Rowan.