

	<p>program</p> <p>CAD 3 students will do a reverse engineering project where students disassemble an object, measure and recreate on inventor. Projects are entered in county wide competition</p> <p>Students will be able to choose from a list of projects when problem solving.</p> <p>Principles of Engineering designed their own cranes and marble mazes to compare with rest of class</p> <p>This project was very successful, but they will be changing to boats</p> <p>Also add egg drop challenge this year</p> <p>Construction Systems designed interior layout of scaled model houses.</p> <p>This project was successful, but will incorporate the exterior as well as the interior</p> <p>Electronics selected the kits that they want to build</p> <p>Great project the students really enjoyed. Will purchase kits from lab fees.</p> <p>successful but adding more choices</p>	<p>dependent on project and classroom instructor</p> <p>Blask</p> <p>Blask</p>	<p>classroom performance, activities, and individual evaluation techniques</p> <p>eggs in tact</p> <p>student interest</p>	<p>collaborate with co workers</p>
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<p>b. will students improve performance in technology</p> <p>c. Collaborate with other departments in relevant subjects</p>	<p>this year</p> <p>Periodic progress reports and incorporate a variety of testing methods and evaluation (allow students to resubmit corrections of tests)</p> <p>Career and Financial Management teacher noted a significant increase in student performance increased with more visual aids</p> <p>85% passing rate in CFM</p> <p>Continue with more visual aids and guest speakers</p> <p>Add participation as grade (to deter students skipping)</p> <p>CAD 1, 2, & 3 add more competition projects (Tech Wars)</p> <p>Coordinate specific activities with teachers in other subject areas.</p> <p>CAD 1—Students completed the drawing portion of their Chemistry energy system research project in CAD</p> <p>Completed and will do again</p> <p>Design and Drawing for Productions course works directly with the art department on a daily basis</p> <p>Successful collaboration and will</p>	<p>Classroom instructor</p> <p>classroom instructor</p> <p>Dependent on project and classroom instructor</p>	<p>Student's regular grades</p> <p>increase attendance</p> <p>Increased activities in every technology class</p>	<p>Training on new recourses and software (grading programs, power point, etc.)</p> <p>Staff development time for interaction</p>
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	<p>continue to work together on styles & ideas</p> <p>Academy of Engineering and Architecture/Technology Club worked with science, art and technology to design and build bridges, robots, and a trebuchet for out of school competitions.</p> <p>Continue working with science department and add Science Olympiad. This year, Blask and Mikulski as team leaders have added a second team for science Olympiads.</p> <p>CAD 1, CAD 2, CAD 3 will have a passing rate of 90 percent.</p>	<p>Blask/Mikulski</p>	<p>Student participation</p>	

NORTH TONAWANDA HIGH SCHOOL
School-Based Plans
2008-2009

DISTRICT FOCUS AREA: Learning and Achievement (Technology)
GOAL # 2 A. Promote knowledge and interest in technological programs
B. Have a safer working environment

OBJECTIVES/ OUTCOMES	ACTION PLANS/STRATEGIES	TIME/PERSON RESPONSIBLE	HOW ACTIONS WILL BE MONITORED, EVALUATED	PROFESSIONAL DEVELOPMENT
<p>A. Students will be provided the opportunities to be challenged in different facets of the math, science and technology fields and learn more about occupational prospects.</p>	<p>The Academy of Engineering and Architecture provides an expansion of learning outside of the classroom.</p> <p>The Academy students have attended interesting field trips, relevant to future fields of student (Power Vista, UB engineering and earthquake center, Calspan, Darwin Martin House and city of Buffalo architecture)</p> <p>In addition to these field trips, they will be going to MOOG Inc. and Falling Waters (PA)</p> <p>Academy students will create their own "Electronic Portfolio" that can be used for college applications or employment opportunities. BOCES computer technicians do provide training to class on February 27, 2008.</p> <p>This year the seniors will finalize their portfolios and use them when applying for internships. It will</p>	<p>Academy directors and advisory board</p>	<p>Monthly meetings by advisory board evaluates student progress.</p>	<p>Future Advisory Board meeting will evaluate boards progress with SWOT analysis</p>

<p>b. Improvements will be made in classroom areas</p>	<p>contain examples of science labs, art CAD projects for college and work.</p> <p>Technology students will participate in extra-curricular events.</p> <p>The Academy, in conjunction with many technology students, have participated in regional competitions that incorporate many science fundamentals (Trebuchet Contest, NCCC and ECC Tech Wars, Kenneth Rybarczyk Model Bridge Contest, and Science Olympiads.</p> <p>Tech Prep is in the process of reorganization. There will be some form of Tech Wars after a meeting with ECC to confirm the details</p> <p>Room 160 has been organized to expedite inventory control.</p>			
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NORTH TONAWANDA HIGH SCHOOL
School-Based Plans
2008-2009

DISTRICT FOCUS AREA: Culture and Climate (technology)
GOAL # 3 A. Successful transition from middle school to high school
B. Information about post secondary opportunities provided for high school students
C. Internship opportunities available to seniors
D. Improve climate with classroom and club involvement in other departments.
E. Decorate to educate

OBJECTIVES/ OUTCOMES	ACTION PLANS/STRATEGIES	TIME/PERSON RESPONSIBLE	HOW ACTIONS WILL BE MONITORED, EVALUATED	PROFESSIONAL DEVELOPMENT
<p>A. To assure that students become more informed about high school course selection and career choices</p> <p>To collaborate between the high school and the middle school for enhancement at the high school level</p>	<p>Information about high school program relayed to students and faculty at middle school</p> <p>The high school teachers participated in the 8th grade career day and provided visual and verbal information</p> <p>The high school teachers will attend 9th grade orientation February 7th to provide parents and students with information on curriculum, clubs and the academy.</p> <p>Both career day and orientation will be attended by teachers to promote the program</p> <p>Meet with all department technology teachers to coordinate ideas and planning</p>	<p>Middle and high school teachers in department and guidance office</p> <p>Middle and high school teachers in department</p>	<p>By number of middle school students seeking high school technology classes and continuation of clubs and teams</p> <p>By interest level of incoming freshmen</p>	<p>Time made available through department meetings and common planning periods for collaboration</p> <p>Staff development time</p>

<p>b. To provide information about post-secondary opportunities</p>	<p>Inform students about articulation agreements with area colleges</p> <p>Parents and students are informed at the beginning of the school year at open house and course syllabuses about the agreement between NCCC and CAD1 and CAD 2 for college credit</p> <p>A representative from NCCC came in and gave a presentation to CAD classes</p> <p>Will be repeated this year</p>	<p>Teachers/guidance</p>	<p>By number of students interested in CAD and continuing at NCCC</p> <p>Last year, 7 NT seniors attended NCCC in the CAD curriculum</p>	<p>Attendance by teachers to the Tech Prep conference meetings held at NCCC bi-monthly</p>
<p>c. Internship opportunities available to seniors</p>	<p>The CEIP class is required for all academy students in their senior year.</p> <p>This will be incorporated in 2009/2010</p> <p>Technology teachers Steven Blask and June Mikulski have certification in CEIP</p>	<p>Academy director and teachers</p>	<p>Through academy and guidance department</p>	<p>Staff development time and opportunities for business contacts</p>
<p>d. Improve climate with classroom and club involvement in other departments</p>	<p>Work with other departments as “real world” projects to assist other school activities</p> <p>Currently building stage set for music department musical with P.O.E. and other clubs.</p>	<p>teachers & club advisors</p>	<p>music departments approval</p>	<p>after school club time</p>
<p>e. Decorate to educate</p>	<p>Improve room aesthetics</p> <p>Electronics class will build a giant</p>	<p>teachers/students</p> <p>teachers/students</p>	<p>completed working structure</p>	

	circuit board on wall			
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