2013 CTE Program Re-Approval
External Review Recommendations
4/9/13

Jefferson-Lewis BOCES Members:
Jack J. Boak District Superintendent
Dawn Ludovici Assistant Superintendent for Programs
Tracy J. Gyoerkoe Director, Career and Technical, Adult and Continuing Education
Alice Draper Curriculum Committee Board Member
Jeff Timerman Curriculum Committee Board Member
Russell Berger Principal, Bohlen Technical Center
Paul Mooney Principal, Howard G. Sackett Technical Center
Leo Paige Carpentry Teacher
Jared Zehr Carpentry Teacher
Walter Berwick Computer Aided Drafting Teacher
Richard Gibson Electrical Wiring Teacher
James Rehley Electrical Wiring Teacher
Amy Baker Visual Communications Teacher
Richard Clarke Visual Communications Teacher
Charles Costantino Visual Communications Teacher
Tara Pawlowski Math Teacher
Darren Bracy Math Teacher
Sally Fowler Math Teacher
Laurie Cleveland English Teacher
Mary Pennock English Teacher
Kris Alsup Science Teacher
Todd Schneckenburger Science Teacher
Barbara Ryan Consultant Resource Teacher

Applied Academics Day Teachers
Neil Austin Math Teacher, Adirondack Central School District
Michelle Castor Math Teacher, Copenhagen Central School District
Sarah Matteson Math Teacher, Indian River Central School District
Troy Matteson Math Teacher, Indian River Central School District
Jennifer Hanno English Teacher, Carthage Central School District
Zachary Anderson English Teacher, Carthage Central School District
Terese Bartlett Science Teacher, Carthage Central School District
Teri Streeter Science Teacher, Carthage Central School District
Steve Rogers Science Teacher, South Jefferson Central School District

Robert Wagoner, Jr. Superintendent, Alexandria Central School District
Peter Turner Superintendent, Carthage Central School District
Cheryl Steckly Superintendent, Lowville Academy & Central School District
Karen Donohue Superintendent, Lyme Central School District
Joseph Sedita Principal, Carthage Central School District
Brenda Shelmidine CSE Chair, Copenhagen Central School District
Cheryl Mayforth Executive Director, The WorkPlace
Douglas Murray Labor Services Supervisor, Department of Labor
Carpentry Advisory
Bill Smith Representative, Empire State Regional Council of Carpenters
Andy Miller Representative, Northeast Regional Council of Carpenters
Nelson Burdick Store Manager, White’s Lumber
Steve Olmstead Engineer, Thesier P.E.

Computer Aided Design Advisory
Jerry Peck Senior Architectural Project Manager, Aubertine & Currier Architects
Tom Brennan Owner, CAD and Facilities Services
Michael Miller Associate Professor/CADD, SUNY College of Technology at Delhi

Electrical Wiring Advisory
Bruce Rosbrook Training Director, EJATC of Watertown
John O’Driscoll Assistant Business Manager, IBEW Local 910
Jack Donato Associate Professor of Computer Science, Jefferson Community College
Steven Porter Instructor of Energy/Energy Program Director, Jefferson Community College

Visual Communications Advisory
Robert Walker II Creative Services, WWTI-Newport TV
Chris Buckingham Graphic Artist, Jefferson-Lewis BOCES
Chris Sweeney Director of Design & Multimedia Program, SUNY Canton
Chris Bova Graphic Artist, Bernier Carr & Associates

Recommendations:

Curriculum, Instruction, Assessment
• Increase opportunities for 1st year students to shadow in workforce and/or guest speakers come in to present to students the expectations. This would allow students the opportunity “this isn’t for me” without investing 2 years.
• Use employability profile toward development of resume
• Use O-net online – industry positions/skill sets/attributes/wages/degree requirements
• Use self-evaluation and teacher meeting to discuss progress on employability skills w/students
• Stress to students that volunteer work is important on a resume (fire, EMT, Habitat)
• Development of 3D modeling, BIM, is essential. All manufacturing & architecture professions are moving to 3D. Successful students will need to be conversant in 2D, 3D and 4D applications and project management.
• Look at Adobe or some other more recognizable certification for Vis Comm
• Stay on top of Code changes in NYS – 3 years behind US Codes.
• Continue seamless integration of academics that align with lessons and units
• Consider adding Code Officer Tests. Lead, Residential sprinklers and Hazmat training to Carpentry curriculum
• Include business communications and digital literacy as essential element of all curriculum, ie. computer exposure related to the trade, Microsoft office basics, email, research, etc.
• Continue efforts to include and document more literature for programs with ELA credit
• Continue to stress importance of annual industry advisory meetings, curriculum, direct relationship between programs and industry; minutes kept, feedback is invaluable for programs continuing to progress
• Continue to connect literature in ELA to course being taught, keep journals, and collaborate between academic teachers and CTE teachers.
• Use your resource of Special Ed staff at home school to assist with accommodations. Keep in touch on a regular basis.
Articulations and College Connections
- Look into articulation agreements with SUNY Canton & Jefferson Community Colleges to be added to Visual Communications
- Look into articulation with SUNY Delhi’s CADD program (They are willing articulate 3-6 credits.)
- Look into forming agreements with: Morrisville, CM/EW and JCC for Visual Communication
- Add column for post-secondary, major @ college on fellow-up survey

Program and Promotion
- Advertise continuing education opportunities on TV to adults, especially retirees and those making career changes
- Utilize success stories in all forms of communication about our programs (Visual Communications plans alumni show next year.)
- Create an internal and website Hall of Fame for each campus
- Modify the Computer Aided Design description in promotional materials to be sure there is more emphasis on structural drawing than architectural
- The unemployment rate for architectural is about 50% in NYS. The amount of education needed for architectural degree (4-5 years) + the 3-5 years they must work under a licensed architect in order to sit for license exam.
- Manufacturing is coming back to the U.S. more over NYS. NY has the Natural Resources (H2O) in order to sustain industry. As of today there are over 5,000 jobs in NY that are being filled because lack of training/knowledge in skill.
- It is being projected that by the year 2020, the U.S. will not be able to fill 20 million jobs because of the lack of skill set.
- Use Blogging, Facebook, Linked-in, etc. to get the word out about programs.
- Critical need for tradesmen needs to be promoted

Developing Career Pathways
- Plan and hold some kind of Parent/Kids Day (like JCC Super Science Saturday) in order to introduce families and younger children to CTE (Project? Competition?)
- Continue to build connections and relationships among home school and BOCES staff
- Students need to start thinking about Career and Tech starting in 6th grade, connect between BOCES and school districts, visitations; Assist component districts to help students plan career paths starting in 6th grade
- Expose younger learners so they can see the connection between academic skill development and careers; choices can be aligned with strengths in math, English, more exposure to Career and Tech at an earlier age
- Extend invitations to visit, extend personnel to the districts to promote programs
- Start thinking of a career path in 6th grade. Make connections early!! Give them something to look forward to. Get parents of younger students involved/interested in the Tech Center.
- Expose discouraged learners early