

Advisory Committee Minutes 5/27/17

Angela Smith	Kevin DeLong
Matt Irvine	David Doom
David Peters	Marcellus Pitts
Michael Barcarse	Cristi Holbrook

New business

highlight 2016 – 17 school year with the North Cobb High School drafting program:

- Currently using a website <http://northcobbdraftingdesign.weebly.com/> for instruction
- Currently using a learning management system called Schoology for student to access lessons and submit assignments digitally. This LMS allows me to track student submissions and also assess using links to online tests/quizzes. I have also used it to survey or poll when providing instruction.
- Demonstrations for sketching, traditional drafting, CAD, and the 3D modeling software has been recorded with screencast-o-matic or with a use of a document camera. I would upload the instructional video, many time raw footage and the results have reduced repetitive questions about how to do something because they will re-watch that video topic.
- A student-led Civil Engineering Club is completing the design process of a “Pipe project” at the school to properly direct water drainage to a retention area and alleviate the erosion of running trails caused by water run-off.
- I have students taking the end of pathway assessment for the Autodesk Inventor and Revit User Certification 4/25.
- I recently coordinated with my department and counseling for a return of a Career Fair at North Cobb. We were able to put the event together to get a feel for a much larger school-wide approach next year. See link for highlights: <https://drive.google.com/open?id=0B6z6MqIJOMWdOTQ5enFnME42Y2s>
- At the recent AIA Student Design contest, I had one student with an Honorable Mention for his “Library of the Future” design program.
- I had a student win 1st place at the regional Technology Fair and then 2nd place in State for his 3D modeling project which as a book box created in Sketchup & Inventor made out of wood along with creating a 3D printed version.
- At SkillsUSA Region 3 Championships, I had students with our 1st place and two 2nd place finishes to qualify for the State Conference.
- At the SkillsUSA State Leadership and Skill Conference in Atlanta, North Cobb did well with five 3rd place, three 2nd place, and nine 1st place finishes.

·We will be taking 14 students from six events: Broadcast News Production, Plumbing, Cabinetmaking, Audio/Radio Production, Career Pathway Showcase: Arts & Communication, and Career Pathway Showcase: Industrial Engineering & Technology to the SkillsUSA National Skills and Leadership Conference in Louisville, KY in June.

·Anticipated in Fall 2017 is new installation of 2017 Autodesk software.

Kennesaw Mt (Cristi Holbrook)

·SkillsUSA KMHS did well this year at state with 10 students receiving medals

·The drafting lab participated during the STEM and Advanced ED certifications this past Jan. and Feb.

·Students in levels 3, 4, and 5 completing their semester long projects with portfolios. Their projects consist of land sailing yachts (with 4 wheels), bar stool go carts, keyboard table, model house, and guitar stool.

·Projects will be ready for testing, displaying as well as evaluated on Friday May 12th.

·3rd level students are preparing for the Autodesk certification exams, given on 4/24/17.

·The county purchased new computers for the drafting labs and should be switching from Autodesk 2013 to 2017 this fall semester.

·Solid works and Photoshop have been installed on student computers.

Asked If anyone is interested in helping out judging the portfolios, please let me know. We will set them out around 11:00 that morning but most of the testing will begin round 2:00 till 3:30. Please feel FREE to commit or advise on anything. Your input is HIGHLY desired.

Advisory Committee Minutes 8/8/17

Michael Barcarse

Cristi Holbrook

Marcellus Pitts

Review 5/27/17 minutes

- KMHS: The advance classes created a projects which allowed them to design and create a model. Towards the end of the semester level 2 created CO2 dragster cars in which they were able to test. Level 3 had semester long projects. They created soap box cars then tested them on 5/17. You can view a short video from my blog under Soap box project title: <http://kmhs.typepad.com/holbrook/>.
- KMHS: We had several winners this year at the SkillsUSA state competition. Winners included: 2nd in technical drafting, 2nd related technical math, 1st computer programming, 1st pin design, 1st place in 11th and 12th math concepts and lastly 2nd graphic communications.
- KMHS: We will be heading to Nationals June 20th for Related technical math and computer programming along with North Cobb and Walton High Schools.
- NCHS: Sending competitors to Nationals: Plumbing, Career Pathway Showcase- Industrial Engineering and Technology, Career Pathway Showcase- Arts, A/V Technology and Communications, Cabinetmaking, Broadcast News Production, Audio Radio Production. Other state winners include: 3rd places- Customer Service, place GA PowerPoint, TV/Video Production, High Risk Traffic Stop, Business and Industry Video Production; 2nd places – construction blueprint reading, CPS- Marketing Sales and Services, SkillsUSA Music Video; 1st places (state only) SkillsUSA GA Commercial, Mechanical Drafting Display, Sports highlight reel.

New business

- Reflect on NLSC. NCHS bronze medals
- Civil Engineering project proposal by Marcellus for KMHS & NCHS. Similar approach to Marietta HS initiative
- Review and exchange practices for engineering drawing and architectural drawing
- End of Pathway consideration for further review---SolidWorks (Engineering dwg), AutoCAD (arch dwg)

Advisory Committee Minutes 11/8/17

Michael Barcarse

Cristi Holbrook

Shannon Center

David Penny

Valerie Bolen

New business

few topics in our drafting classes

Topics

- 1) Grading styles
 - a. Point system vs weighted
 - b. Subjective grading using letter grades

(Michael B) I am not looking for a silver bullet, I'm curious to hear you thoughts on how you grade assignments as a classroom teacher with a plethora and diverse make-up of kids. I've been around long enough to be confident with assessing an assignment with A-B-C-D-F and then translating that into a number to place into the gradebook. Problems with say multiple choice responses is a straight forward score out of the number of questions, while I've been wishy washy on the subjective assignments and borrowed a page or two from how art teachers grade.

(Valerie B) I struggle with grading. I generally use point system 90-100 = A etc. Tests with points are straight forward. Drawing assignments and projects I grade on completion and following directions. If late decrease grade 10 points. I tend to break down a project into parts with point values.

- 2) Grading Rubrics
 - a. Uniform rubrics for all projects/assignments
 - b. Rubrics made just for a project

(Michael B) again I have no silver bullet, I have borrowed, stolen, made-up rubrics for various assignments. Recently I've taken a rubric from what SkillsUSA Georgia uses for contest submissions and would tweak it for my stuff. For some reason when you have so many to grade it gets to a point where you default back to the above.

(Valerie B) I have borrowed rubrics and generally don't like using them. I don't seem to think in terms of 1-4. I would like a general rubric for all projects. I had a 2d design professor in college who always had a slip of paper numbered 1-10 with corresponding letter grades next to each number. He would circle what you got and tape it to the back of an assignment. That was really straight forward and

consistent. He would have lines for notes/feedback below the numbers. The students seem to want a rubric for each assignment with specific parameters so they can minimally work towards the A.

3) Deadlines

(Michael B) is it me or a trend of the millennials? When I have an assignment or exercise timed to be completed and submitted before the end of class I can say I can get 100% completion and submission 9/10 times. When I have an assignment with extended time to complete and a posted due date, I get probably 50%-60% to make the deadline and that will be my intro class and its even less with my advanced classes. It's always been my best students in SkillsUSA and AIA and GHP students that can make deadlines- how 'bout that!

(Valerie B) I completely agree. If I have a project with extended time the students do not finish on time. I have had projects go an extra week. Now I just give a completion grade and cut it off even if they are not done. I hate doing that but we have to move on. It seems almost like a manipulation on their part – work slower so that more work is not given -yet they are not working to their fullest potential either. When it is timed or a competition they will work harder.

Advisory Meeting Minutes 11/12/18

Present:

Michael Barcarse, Cristi Holbrook, Brent Branning, Jordin Montoya, Nicole Montoya

New business

- Post-Secondary Options. There are five options which lead to the world of work: 1) go to college 2) go to a trade school/technical college 3) military 4) straight to work 5) apprentice
- Focus for meeting is going straight to work. Jordin was three years out of high school, currently working for Holder Construction as a Field Engineer. Jordin was a drafting pathway completer, SkillsUSA chapter officer, and a SkillsUSA National competitor. His original plan in high school was to prepare for college to get a job as an engineer. Fortunately, his active involvement in SkillsUSA, work ethic, and technical skills was recognized by Holder Construction after conducting a telephone interview for an entry-level position as a Filed Engineer. Jordin has no regrets and would make the decision to go straight to work if he had to do it all over again.
- Wrap-up. Students should understand and have a plan for options to the world of work.

Advisory Minutes 2/4/19

Present:

Michael Barcarse, Bill Kunberger, Cristi Holbrook, Shannon Center, Valerie Bolen, Marcellus Pitts , Jordin Montoya, Angela Smith, Stephen Hinton, David Eyes

Old Business:

- Add your county advisory committee member to the following link: https://cobbk12org-my.sharepoint.com/:w:/r/personal/michael_barcarse_cobbk12_org/Documents/CCSD%20Advisory%20Committee.docx?d=w0f5fc7a08fcf43c1b1424902ae0788bf&csf=1&e=flNxAU
- Gathering any recent updates/news items things to share and any collaborative items:

New Business

NCHS-Updates:

1. The past SkillsUSA Region 3 Championships at Atlanta Metropolitan Technical College yielded fair results for my chapter. I had a student qualify for Early Childhood Education with second place and for the fourth year in a row my Cabinetmaker, Patrick Duckett will compete for the State SkillsUSA Conference
2. I also had a couple of students to compete and win the Cobb Regional Technology Competition held at Kennesaw Mountain HS in Graphic Communication and 3D Modeling and they two will compete at the State Technology Fair in Macon.
3. The AIA student design competition registration deadline is 2/22 and deadline for submission is 3/22 <https://www.aiaatl.org/hcdc/> if you have students working on this, how's your progress?
4. The registration window for SkillsUSA State Leadership and Skills Conference is was 2/14. How many students will you take?
http://www.skillsusageorgia.org/StateLeadershipConference_Information.php?id=19
5. TIEGA Conference was 2/7-9, anything you want to bring up as a discussion topic for next year?
 - a. Charrette lesson planning
 - b. Sharing teacher resources
 - c. Review power standards
 - d. Reviewing EoPAs and possibly changing them
6. Camp T&I is 6/5 – 7, in Brunswick/Golden Isles, GA I take my family there and treat it like a work then family mini get-away. Get travel over to Jackie to take care of expenses (go to CTAERN to register)
7. GACTE Summer Conference 7/14-16, Athens GA <https://gacte.org/2019-gacte-summer-leadership-conference/> Get travel over to Jackie to take care of expenses. And if you have any ideas for topics and industry visits, that'll be great. Last year I lead a topic on Schoology and we visited the Landscape Architectural program at UGA.
8. We have a design for the upcoming Smith & Gilbert Gardens Play in Nature, it's a pvc pipe instrument in a retro video game cabinet.

9. And lastly, Kirk Ware is planning to have a, intra-county drafting competition to be hosted at Marietta High School next Fall '19 or early Spring '20. He's wanting to invite out students to compete. Details pending. What do you all think? He's going to want judges.

WHS Updates:

1. We have a student design that was selected for the Smith Gilbert Garden Play in Nature Exhibit. Cameron will be constructing an abstract sculptural exhibit that focuses on photosynthesis of oak trees using the CNC.
2. Valerie have 1 student entering the advanced AIA High School Design Competition (Nature Center) and 1 Student entering the entry level competition (Bridge over the Chattahoochee) this year.
3. We have begun a WHS collaboration amongst Culinary, Agriculture, Marketing, Theatre, Drafting and Engineering for STEAM called "Wheeler Fresh". My architecture students designed, sourced materials and constructed planters for the Agriculture department to grow produce that our culinary teacher will use for a dinner/Theatre event. Produce will then be given to families in our community that are in need. Architecture students are also preparing a reflected ceiling plan for the Theatre department and event space plan for the dinner event.
4. Unfortunately, Valerie wasn't aware of the Cobb Regional Technology Competition. Will try to get some students involved with that next year.
5. Going to sign up for GACTE this summer. Usually attend Camp T and I. Did not sign up for Tiega.
6. One day I will figure out SkillsUSA. Right now I meet weekly with my drafting club. We are designing and constructing a large grandfather type freestanding clock for our STEAM Symposium. Another member is interested in leading a small group in jewelry design and fabrication.

Other updates:

1. North Cobb and Kennesaw Mountain are collaborating on the, "Liberia Project" to involve students with an architectural, construction, and engineering, interest to design a school which will serve as a model for other community projects in the country.
2. In its 7th session, students participating from North Cobb and Kennesaw Mountain are working on a couple of concepts to ultimately present one to the other ACE Mentor Groups in the Atlanta area. One idea is a health care facility and the other is a play structure exhibit.
3. Here's my onions about the current EoPAs moving forward
 - a. We can complain to Autodesk and certiprot that there is an issue with the test. Maybe there is a remedy or not.
 - b. We need to finish out this semester with Revit and Inventor before considering changes,
 - c. We need come to a consensus to request to offer AutoCAD User certification as an EoPA for both ADD & EDD – its not on the current GADOE site for ADD.- however if you are teaching the ADD pathway and offer the AutoCAD EoPA, then somehow offer the EDD pathway and have students finish that pathway, you'll be in a bind.
4. My next opinion is, to look at NOCTI as an EoPA for both ADD & EDD. The selling point though perhaps not as strong as a software certification is the NOCTI Workforce Competency Credential <https://www.nocti.org/competencycredential.cfm?m=3>

2019 EoPA Codes: <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Documents/FY2019-End-of-Pathway-Assessment-Codes.pdf>