

CTE Advisory Technical Skills Committee Meeting Minutes

December 10, 2015

Call to Order

Meeting was called to order at 4:32pm by Jim Meyers, CTE Coordinator.

Attendees

Crespin Esquivel	Principal - Whittell High School	cesquive@dcsd.k12.nv.us
Mark Lobsinger	WNC – CTE College Credit	mark.lobsinger@wnc.edu
Doris Hoskin	Agriculture – DHS	n/a
Brian Frazier	DCSD – Director Assessments and Grants	bfrazier@dcsd.k12.nv.us
Brandon Swain	DCSD – Director Educational Services	bswain@dcsd.k12.nv.us
Jim Meyers	DCSD – CTE Coordinator	jmeyers@dcsd.k12.nv.us
Tracy Herrick	DCSD – District Office	therrick@dcsd.k12.nv.us
Denise Castle	JOIN, Inc.	dcastle@join.org
Lorraine Fitzhugh	Douglas High School – Math/STEM	lfitzhugh@dcsd.k12.nv.us
Woody Worthington	Bently Ranch Farm Bureau	woody@bentlyranch.com
Christina Brown	Douglas High School – PLTW Engineering	cbrown@dcsd.k12.nv.us
Jim Abbott	Douglas High School – PLTW Engineering	jabbott@dcsd.k12.nv.us
Teri Jamin	DCSD School Board	booklover83153@aol.com
Michele Baumann	Douglas High School – Web Design	mbaumann@dcsd.k12.nv.us
George Gussak	Dream It Do It Nevada	ggussak@dreamitdoitnevada.com

Adoption of Agenda

- Motion to adopt the agenda was made by Doris Hoskin, seconded by Brian Frazier. Agenda was opened for discussion – there was no discussion. Voted unanimously to receive and file.
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Minutes from September 17, 2015

- Meeting minutes were reviewed. Motion to receive and file by Doris Hoskin, seconded by Brandon Swain. Minutes were opened for discussion – there being no discussion, voted unanimously to receive and file.
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Tour of PLTW Engineering Program of Study

- Jim Abbott 's room –
 - Talked about 1st semester planned around Drafting with AutoCad, 2nd semester working with design and 3D processing using AutoDesk Inventor.
 - Presented projects that the students are working on:
 - Structure to withstand wind
 - Slowest maze
 - Research engineering careers
 - 4 sections = 96 students
 - 70 are freshmen, sophomores
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- Program has grown in last 3 years: 22 students > 75 students > 96 students
- Christina Brown's rooms – classroom, Flex Lab
 - 4 main goals:
 - Simple Machines
 - Structures
 - Computer – Robotics (using VEX kits)
 - Projects
 - Test bed
 - Marble sorter
- Jared Hyatt – Computer Integrated Manufacturing (CIM) moved to March 3, 2016 meeting.

Update on NDE Tour of STEM and CTE Programs of Study

- Brian Mitchell (Governor's Office for Science, Innovation and Technology), with Anne Willard, Mike Raponi, Alex Kiser and Randi Honeywell (NDE) toured the STEM Center and visited with the CTE students attending the CTE Programs of Study at DHS.
 - Impressed with building and classrooms – college feel.
 - Student directed – they didn't speak with teachers as much as they spoke with students.
 - Lorraine Fitzhugh conducted a demo of a math class as it applies to CTE courses.
 - With the introduction of the level 3 programs we have become very dynamic in our course offerings.
 - Anne Willard will be visiting again on January 19, 2016 to make sure that we are aligned with potential for DHS CTE students to earn internship credit when working with local businesses (AG – Level 3 – Vet Science)

Review Current CTE/PLTW Programs of Study

- Jim Meyers – see agenda packet with listing of all courses/instructors.
- Brian Frazier provided an update on current grants and spending.

Discussion for CTE/PLTW Program Development / Improvement for FY17

- Brian Frazier – see agenda packet with listing of Middle Schools and the Gateway courses that will be considered 'recruitment' for PLTW pathways at Douglas HS and Whittell HS.
- With passage of ESSA today, dual credit possible for Core and CTE courses.
- Comment from George Gussak; With new programs at Douglas HS and new companies moving in to Northern Nevada for manufacturing...we are feeding industry and keeping kids in the state. Very positive evaluation of current economic situation and our ability to prepare our students.
- Comment from Lorraine Fitzhugh, with new program offerings, her math classes are able to address more of a 'problem solving' approach. Ex: coding activity presented fewer errors in coding with java script. The students are commenting that they are going from 'Frustration to Solution' because the subject matter is helping them to become better critical thinkers.

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- Teri Jamin asked about an 8 or 7 period day – Answer from Lorraine Fitzhugh: After extensive research it was determined that ‘more is not necessarily better’, therefore the 8 period day showed signs of overcrowded classroom size, shorter period – content compromised. Brian Frazier added that the 7 period day makes more sense and is a good common middle ground that doesn’t interfere with course work. GWHS is already demonstrating this.

Next Meeting Dates and Times

- Thursday, March 3, 2016 @ 4:30pm – DHS – STEM Center – Room 706
- Thursday, May 19, 2016 @ 4:30pm – DHS – STEM Center – Room 706

Public Comment

- Michele Baumann presented concerns with frustration from Computer Science students and the need for some sort of Intro to Computer Science class offering at DHS and at the Middle School level. Freshman showing signs of frustration with web design – due to lack of knowledge of how it all works and it seems to be too tedious since they didn’t have a ‘leader’ course that gave a glimpse of what Web Design REALLY is.
- Lorraine Fitzhugh presented a handout and her request to offer an Environmental Sustainability course at DHS. She explained that the course objective would be to teach open minded, educated optimism to students so that all earth’s inhabitants respect each other and the earth that sustains us.
 - Guest Speakers
 - Problems to solve
 - Waste management - off the grid sewage management using plants.
- Comment from Doris Hoskin – this course would tie in with Level 3 Ag Science course Environmental Science.

Close of Meeting

Doris Hoskin moved to adjourn the meeting. Lorraine Fitzhugh seconded. Meeting adjourned at 6:03pm.