



Science, Technology, Engineering, and Mathematics
Cluster Advisory Committee Meeting
Irving Independent School District
February 7, 2019

AGENDA

- A. Call to Order / Welcome
- B. Introduce Members
- C. Purpose of this Committee
- D. School Reports
 - a. Technology Support Services
 - b. Robotic Manufacturing
 - c. Video Game Design
 - d. Cyber Security
 - e. Added BIM
- E. Business Reports
 - a. Status of Interns
 - b. Opportunities for involvement
- F. Program and Committee Goals
- G. Next Meeting Date

BUSINESS REPRESENTATIVES

POST SECONDARY REPRESENTATIVES

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IRVING ISD REPRESENTATIVES

MINUTES

The meeting was called to order at [11:40] by [Michael Wood] at [Jack Singley Academy].

Those in attendance were:

Deanna Barnes
Moises Rico
Ana Mendoza
Alexander Chandrianto
Abraham Ponce
Marvin Greene
Min Lee
Deanna Barnes
Katie Crone
Ronald Bragg
James Gray
Steven Sherlip
Matthew
Maryelanna
Michael Wood
Holley Naskey



PURPOSE OF THIS COMMITTEE

Technology Support

VGD

Robotic Manufacturing

Cyber Security

Training students to become successful stakeholders to further their future in the educational or professional community. Request advisory to prepare our students and our campus to meet real world expectations. Request planning and suggestions for expectations for state website list of public requirements regarding appropriate certifications from industry supporters. Deadline extended to Feb 14th. Please reply to state list on website. NLC connections?

MTA associate

OS

Cloud

MS office 10+

CCNA

CCENT

Long term placements in the community from students

Robotics

Mentoring

Larger functioning and correlation to the manufacturing side

Robotic automation

Robotic search and rescue

Constant competitions. AutoCad models. 3d printers Inventor

Naskey connections with spouse



Animation

Program changes to align with DCCCD
auto desk to blender

(unity to blender)

Student transition is going well. Hoping to increase quality in our student work.
Regional competition in March/June

Programming competition coming up
Code quest
Lockheed martin C++ and JavaScript (gaming) and Python

(noted that all new programming assignments are currently Python leveraged)

Cyber Security

Currently aligned with homeland security. Will merge to IT branch

Recalling their advisory board yesterday

Challenge regarding internships. Hopefully in the near future.

New program in the last 3 yrs. Need placements because of age requirements with Law Enforcement information. Clarification for security (security front desk? computer, cyber, network) Original vision was related to dept of homeland security. Hackers? But still clarifying. Developing students and future employees have sole purpose of networking security. Network + Ethical Hacker building towards skill set. Homeland security is desperate for network security placements. Instructional need for cyber forensics. Still evolving. Foundations lie clearly in IT.

MTA certs Jrs Srs Security +

Adding BIMS

vba automation
excel macros



SCHOOL REPORTS

Moises: Middle school assignments. Interns assisting at middle schools. Learning the repair end of ipads sponsored by VILS. Creating guides and procedures for repairs.

CITI : Different projects. A day in the life. Field work. Making recommendations for improvement on corporate level. unbiased feedback very valuable. Created to see their view without prejudice. Process improvement benefits--and also very eager to communicate their findings. Students have mentors. Alex has history of Mentoring in Latin American team. Moving forward with technology and necessary tools and how to professionally understand their functioning. Different nations -- new generation is VERY fast. Lots of choices. We need a bridge to real world. Maybe not 6 mos to become CEO? Need discussion skills and conflict management and understanding compromise and resolution. Understanding that everything is "easy".

Empowered involvement and retention is a constant challenge that is invaluable.

Senior management team at CiTi. We attempt to force younger groups to adapt to us. We must reverse this. Process improvement comes with shifts to distribution management. Works well with group disbursements. Very valuable vs. traditional top down.

SKIDATA: Abraham

Started in 2013. Had 4- 5 students. Finding student attention can be challenging. Corporate challenge to be European standards vs US vs Latin America different approaches.

Communicate the //process// of helpdesk. Understanding different models to see what serves your current assignment. Consistent proactive openminded stance regarding feedback. European model at SKIDATA offers college interns opportunity to intern in exchange for their tuition. System engineer, helpdesk, programmers remotely, corp in LA cali.

Needs:

Information documentation business plan to benefit company, students, justification, different customer involvement , assignment

Stem coalition along with Sr interns ASAP

Parking industry parking gates, tickets, cameras, sensors, support
Columns linux--Man stations are windows

IISD: Holley Naskey

3 different interns. Interns support GT clerk does. Trainings support (google pages for training) edits and perfected. Currently working on Destination Imagination (excel word) in depth (2016 to 365 to sheets) Clear understanding of tech support and



Express Pros: Excel. Google sheets. STEM projects
Outstanding experience with very flexible intern tabulations. Staffing for street to suite. Unlimited regarding project management. CNC. Multilayer technologies. Many different options. CNC company contacts. Lots of different connections with Express Pros.

LOTS of follow through opportunities regarding chamber of commerce and hispanic chamber of commerce.

BUSINESS REPORTS

COMMITTEE GOALS

Suggestions for goals requested from group.

Goal stated last year was Interviewing process.

Interviews

Tour went better with Singley vs Mac

Tour one morning feb/march (more than one day?) (possibly soph and jr)

Guest speakers from

Interviews a few weeks later?

Naskey:

Long term abilities to think critically determination

Reinforcing allowing space to breath, fail and start over

We need to be discussing failures.



Understanding urgent vs important

Ponce: Taxes time to work on that was very very valuable.

Date for next meetings.

We will be open to accepting all applications for all students to see if they're ready to apply (CITI)

Interview processing

Pre hiring prep

Tour

Interview

Hiring

MORE GIRLS IN TECH

Dates for interview late march

Women's network

Student goals

Advisory Board Commitee

Chamber connections

Increasing our percent of females involved.

ADJOURNMENT

The meeting was adjourned at 1:25p by Michael Wood

Minutes submitted by:

Deanna Barnes
Recorder

