

West Houston Association

Education & Workforce Meeting Notes Development

Thursday, December 6, 2018

2pm at West Houston Institute

Attendees on December 6, 2018

Carolyn Dorros
Dick Phillips
Auggie Campbell
Karla DeCuir
Carmen Kumpula
Sara Montenegro

Imani Forrest
Sean Otmishi
Samir Saber
Bill Henry
Jesse Bounds
Sarah Martin

Rich Barclay
Darlene Rankin
Butch Herod
Lauar Williamson
John Vallesselli
Rita Raju

Shelly DeZevallos
Jimmy Adams
Scott Bends
Jay Neal

1. **Welcome & Introductions.....Carolyn Dorros**

- a. *The HCC Board recently voted to approve the move from Fry Road to near the U of H Katy Campus. This collaboration will provide crucial pathways for students in the Katy area.*

2. **Big Data & Computer Engineering Programs.....Carolyn Dorros**

a. **University of Houston—Katy Campus**

- i. *Phillips and Neal reported that U of H is taking the community's lead and moving where the need is. Neal reported that there are only enough nursing graduates to fill the needs of 10 states. This means that 40 states do not have the nursing staff they need.*
- ii. *The new Katy campus will not be competing with the main campus but will be providing new programs. The connection with the business community will also be a benefit for the students and the growth of the education programs.*

b. **Houston Community College**

- i. *Herod reported that HCC is excited to be moving close to the U of H Katy campus. Their programs will compliment U of H and provide pathways for students.*
- ii. *John Vasselli reported that three engineering degrees are currently under review for implementation (electrical/mechanical/civil). Students will be able to complete their first two years at HCC and their last two years at U of H. All of the engineering courses will be taught by professors from U of H but offered through HCC.*

- 1. *Vasselli reported that engineers are needed in this region. In the 13 county region there will be a need to hire 46,000 engineers over the next ten years (4,600 each year). The problem is that there are only around 2,000 graduating each year.*

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2. *There are both academic and economic factors that prevent people from going to college. Our group should take these factors into consideration when creating new programs.*

iii. **HCC Southwest**

1. *Otmishi reported that some positions do not require a degree anymore. The southwest campus hopes to provide opportunities for continued education and include programs for certification. Cyber security is a program in high demand with 2,400 jobs available. Digital gaming, programming and GIS programs are also offered at the southwest campus. Saber reported that graduates and alumni are making approximate salaries of \$70k. Twenty-one day summer camps are also being offered to get students interested in technology programs at a young age.*
2. *Manufacturing is an interesting field. HCC is now recognized as an apprenticeship center. All high school students are able to do an apprenticeship through HCC or preapprenticeships for students under the age of 18. There are currently 6M jobs in manufacturing that are open now. New programs are being implemented including 3D printing, robotics, inspection, metrology and CNC machinists. Many of the future jobs are not invented yet which makes it challenging to prepare the future workforce. The programs are working to be accredited by a 3rd party in order for them to be recognized academically and throughout the industry.*

c. **Katy ISD**

- i. *Katy ISD is providing more programs for information technology such as programming and processing including JAVA. The students can receive a math credit or a foreign language credit. A principles course is also offered which is a broader focus on the internet, html and python.*
- ii. *The district has about 2-5 staff members at each campus trained to teach the technology courses. The school also offers virtual classes which almost 3,000 students take over the summer.*

d. **Private Sector Discussion**

i. **Texas Childrens**

1. *Montenegro reported that the nursing workforce is a major focus at the hospital but engineering is another very important need. This is an area of opportunity and available positions.*

ii. **Conocophillips**

1. *Barclay reported that data analytics dramatically decreased the cost of supply for the company by billions of dollars. The challenge is that some of the skills the industry is looking for are not in the curriculum. One focus for Conocophillips is to*

have all employees understand data analytics. Being able to make the data accessible and have the ability to explore and visualize the information is valuable to the employer.

iii. **Amazon**

1. Amazon is struggling to fill technical roles. An important component moving forward is to train all of the workforce on new technology. Everyone is feeling pressure to modernize which is being driven by demand.
2. How people work is another important aspect to success. The workforce needs to be an environment where it is okay to fail. New things can be learned and implemented into future projects through unsuccessful attempts.

iv. **Apple:**

1. Apple is hoping to work on the divide between success and non-success. Some individuals do not have the same opportunities in front of them as others. Many students are not getting the jobs they want with their degrees and some students no longer want a traditional 4 year degree. Many can be self-taught. Apple wants to work with universities to discover the demand and special skills. A great start is getting coding into middle schools and into other courses to show how relevant technology is in all areas. Introducing more certificate based learning will also be an important way forward.

v. **City Hackathon & Sketch City**

1. Bounds reported that this group works to solve internal problems for the city and foster community learning. Similar to a technology chamber of commerce. The hackathons and sketch city are aimed at workforce and talent development. It is easier to recruit people who are already here.

3. **WHA Announcements.....Carmen Kumpula**

- a. Campbell reported that WHA hopes this group can identify problems and resources to keep the formula going for quality growth.
- b. Kumpula reported that she would send the 2019 committee meeting calendar invites to the group this month.

4. **Adjourn**

Mission Statement

Advocate policies and partnerships that provide high-quality educational infrastructure and educational opportunities to achieve a prosperous and sustainable business community and workforce in Greater West Houston.

2018 WHA Education & Workforce Development
 COMMITTEE MEETING SCHEDULE (PROPOSED)
 All Meetings at

~~WEDNESDAY FEBRUARY 7~~
~~WEDNESDAY APRIL 4~~
~~WEDNESDAY JUNE 6~~

~~WEDNESDAY AUGUST 1~~
~~WEDNESDAY OCTOBER 3~~
~~WEDNESDAY DECEMBER 6~~