



# CAREER AND TECH RESEARCH

DELEGATE APRIL ROSE

OCTOBER 2016

# RESOURCES AND RESEARCH

- Principal Eccles – Carroll County Career and Tech Center
  - Site visit and discussion of what has been done to expand and possible future solutions
    - Campus model – several buildings rather than one.
    - Could use current property/parking lot space
    - Could we maximize land footprint by building multi level parking garage?
    - There is a property for sale across the street – could this be used?
    - For a temporary solution to open spaces faster could we bring in additional portables while the capital project planning is under way?
    - Could we entertain a “Summer Semester” and/or evening classes?



- Continued

- Regional approach for programs

- Need approximately 15 students for a program
      - Can we get data on participation in each region to determine where this would make sense?
      - We should look at application data this year and conduct a school wide survey of parents/students to determine interest in the programs
      - Can we entertain opening programs up to the homeschool community? If participating in these programs could we add those who attend to our overall student population numbers (forumula)
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- Continued

- Over 300 students on the waiting list – consistent over the past few years
- Can we do a school wide survey to determine how many students do not apply due to the competitive nature of programs and the common knowledge of the long wait list?
- Other challenges
  - When recruiting teachers for some programs it can be difficult to find candidates
    - The path to teach can be difficult with certification process. It would be helpful to have some flexibility in those requirements so that industry professionals would be more interested in teaching. It would be helpful to have some flexibility in the pay scale for industry professionals. The state of Virginia is looking at this issue.



# FACILITY RESEARCH

- Informational meeting
  - Robert Lord – Board of Education
  - Jeffrey Hagan, Architect – Hord, Caplan and Macht
  - Bill Caine, Facilities Planner – CCPS
  - Angie McCauslin, CTE Director – CCPS
  - Principal Eccles – Carroll County Career and Tech

- Discussion of current facilities and future proposals

- All high schools are not able to handle all IT programs due to age and IT infrastructure
- Can we determine/get a list of which ones would work for regional programs?
- Can we have flexibility with construction rules in place. This has been done in Anne Arundel County. A developer built a school called the Monarch Building. This is a “bare bones” school built to deal with over crowding in that area. Parents choice to attend. No gym, etc.
- Report from architect will be presented in January 2018. Will present costs to expand on current footprint and for a new facility. The budget request from the county will be for fiscal year 2019.



# HOWARD COUNTY APPLIED PHYSICS LABORATORY

- Informational call
  - Sharon Kramer, Coordinator
  - Colleen D'Agrosa, K12 Internship Program Specialist STEM Program Office
    - Most of the programs are not limited to one county
    - Focus is on students within a 25 mile radius
    - There are quite a few Carroll County Students in their programs
    - Fall courses offered: CAD – Computer Aided Design using Solid Works and Computer programming in Python

# WASHINGTON COUNTY

- Principal Jeffrey Stouffer

- Different model than Carroll. The students attend the career and tech for two full years.
- Current enrollment: 314 Juniors and 280 Seniors. Students have a “home” school and can participate in sports and other activities.
- Opened a Public Service Academy. 80-85 students.
- 6 KW solar array installed and a wind turbine. Green school and saves money on electric
- Auto dealership: Sell cars – last year sold 14 cars with over \$10,000 in profit
- Student Trade Foundation: builds and sells houses



- Continued:

- Washington County Education Foundation established in 2009
  - Raise money for small projects outside of the board of education
  - Public Service Academy
    - Criminal Justice; Fire & Rescue and Homeland Security Programs
    - 17,000 square feet acquired from Board of Education. Cost approx. \$500,000 in renovations to use the space
    - 2.5 miles away – still under the same principal. No issues being in a different location. Students that attend want to be there/very well behaved or any minor issues handled with basic warning of being kicked out of the program.
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# STATE CAREER & TECH

- Lynne Gilli, Program Manager – MSDE
  - Many counties have a wait list
  - Discussion of expanding sections of STEM into the comprehensive high schools (back to the “regional” approach)
  - Previously there were funds set aside for Bio Medical but that program expired
  - Currently there are now funds set aside for Robotics programs
  - Should we look into dedicated funds for STEM/CTE? Part of the formula discussion and plan moving forward?
  - Some states consider their Career and Tech center separately – as it’s own school district.

# CONCLUSION/ACTION ITEMS

- Short and long term solutions:
  - Flexibility in letting students choose Programming as their language requirement in all schools
  - Access to Howard County APL classes
  - Summer Semester and evening classes
  - Additional portables in anticipation of future building or space growth
  - Look into other county space not currently being used
  - Career and Tech should have a seat at the table during discussions of the funding formula and part of the broader conversation of how we should be funding each county. Career and Tech schools that have demonstrated long wait lists should have an opportunity to make a case for assistance with funding.
  - Conduct survey to determine how many students would apply if there was less of a chance of being put on a waiting list



## • Career and Tech Foundation

- Engage the community at large
  - Engage the business community
  - History of community buy-in for important needs (hospital)
  - Survey of businesses to determine interest in supporting this need in our county
    - Mike McMullin is willing to do a survey of chamber members
    - Win-win for local business: A pool of trained and professional workforce to fill open positions. Can save business a lot of money in the recruitment and hiring process. Opportunity to sponsor the capital project with recognition on the building.
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