



# Academic Credit in CTE: Assessment

Holly Gates–Avery, ELA  
Liz Blomquist, Math  
Carol Clark, Health





# Liz and Holly

- ▶ Certified secondary teachers (Math and ELA)
- ▶ Taught in traditional high school for many years before coming to CTE
- ▶ Transitioned to CTE by observing many different tech centers, planning sessions, research



# GASC Technology Center

- ▶ Located in Genesee County
  - Flint, MI
- ▶ Serves close to 2,000 students each year
  - 21 school districts send students to GASC
- ▶ 11 Platforms
  - 48 classes/programs









# Academic Credit at GASC

- ▶ Crosswalked programs
  - CTE curriculum with
    - State of Michigan HSCE
    - State of Michigan GLCE (grade 6–8)
- ▶ Curriculum Mapper
  - Guest access

Username: 81434

Password: CMGUEST (all caps)

# Academic Approval

- ▶ Academic Credit process was approved by Genesee County Superintendents
  - Curriculum Committee of the Whole
  - Based on academic crosswalks
- ▶ Each superintendent/board would approve specific academic credit offerings for own district

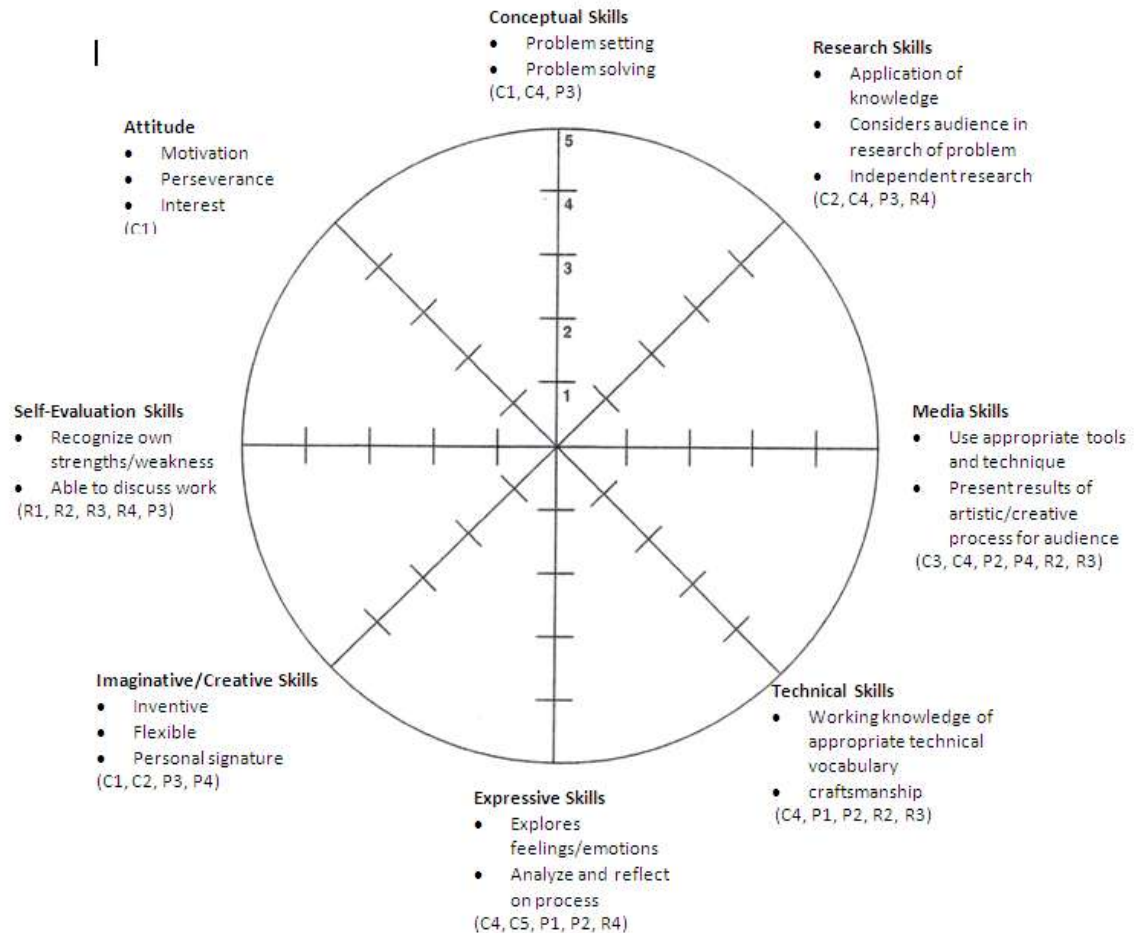
# Concerns

- ▶ Superintendents
  - Agreed that students were exposed to High School Content Expectations (HSCE) and Grade Level Content Expectations (GLCE) identified in crosswalks
  - Wanted assurance that students master concepts
- ▶ Assessments
  - Guarantee of teaching HSCE and GLCE
  - Mastery of concepts, not just exposure



# VPAA Assessment Development

- ▶ Align already used Arts rubric with VPAA standards



# VPAA Rubric Training

- ▶ Rubric guide
- ▶ PD at the beginning of school year

# Math Assessment Development

## ▶ Resources

- Math-In-CTE Study
    - <http://136.165.122.102/mambo/content/view/69/>
  - CORD (automotive) website
    - <http://www.cordonline.net/michigan/>
  - Applied math textbooks
- 
- ▶ Created multiple choice assessments based on resources



# Math Assessment Development

## ▶ Group 1: Health

- Teachers met for 4 hours after school
- Identified major units where math was taught
  - Objectives for each unit
    - Conversions
    - Intake/output
    - Vital signs
    - Oral medication labels and dosages
    - Parenteral medication labels and dosages
    - IV flow rates
    - Height and weight
- Divided objectives among teachers present
- Left work session with unit exam for all major units


# Math Assessment Development

- ▶ Group 2: Automotive
  - Identified major units where math was taught
    - NATEF Standards and AYES curriculum
  - Developed unit exam for each major unit
    - Automotive teachers proof-read exams
    - Revisions made
    - Automotive teachers approved exams
      - Brakes
      - Steering and Suspension
      - Electrical


ELA




# Collaborative Teaching

- ▶ ELA and CTE instructors plan and teach the course together
  - ▶ Topics, materials and assignments are integrated and/or interrelated
  - ▶ Collaborating faculty consult with one another regularly during the course and plan any needed course adjustments together
  - ▶ **Co-Teaching**
  - ▶ **Alternate Teaching**
  - ▶ **Lead and Support**
  - ▶ **Rotational Teaching**
- 

# Teach, Lead & Coach


- ▶ Course for students interested in human services–related careers
  - ▶ Many are future educators
  - ▶ GASC offers 12<sup>th</sup> grade ELA credit for this course
  - ▶ Curriculum contains all 91 English Language Arts HSCEs
- 

# Audio, Video, Film Production

- ▶ CTE teacher is a certified ELA teacher
  - ▶ Collaborative curriculum planning is necessary, not co-teaching
- 



# Public Safety/Homeland Security

- ▶ Course for students interested in law enforcement or military careers
  - ▶ GASC offers 12<sup>th</sup> grade ELA credit for this course
  - ▶ Curriculum contains all 91 English Language Arts HSCEs
- 

# ELA Assessments

- ▶ **Each course offering ELA credit assesses students in a variety of ways, including:**
  - Novels
  - Different genres of essays (senior research)
  - Different genres of reading material
  - Pure grammar
  - Creative writing
  - Story boards
  - Speech
  - Blogs
  - End of the year portfolio