A COMMUNITY THAT LEADS BY THE HEART

MY JOURNEY - THE BEGINNING
FRESHMEN ORIENTATION: THE JOURNEY BEGINS...
FRESHMEN ORIENTATION: UPPER CLASSMEN WELCOME
SUMMER BRIDGES

• 3 Tiers
• Students are assigned to Bridge by GPA (ELA, MATH, SOCIAL STUDIES)
• Students are assigned the amount of weeks spent in Bridge by GPA.
• 7 Habits of a Highly Effective Teen (each student receives a book)
• Students receive progress reports at the end of bridge (data is used to see who will need intervention – Focus on Freshmen (NHS) or accelerated courses)
CASS TECH
CURRICULUM AND PATHWAYS

• Architecture
• Advanced Placement
• Business
• Chemical Engineering
• Chemical/Biological
• Commercial Arts
• Communications
• Computer Science
• Computer Information Systems
• Graphic Arts
• Human Services
• International Baccalaureate

• Manufacturing Engineering
• Marketing and Entrepreneurship
• Music: Band, Orchestra, Harp and Vocal
• Performing Arts: Dance, Theater
• Project Lead The Way-PLTW
• Science & Arts: an invitation only
To cultivate a “culture of caring” that ensures the success of all students and provides them an opportunity to achieve their goals.
MISSION FOCUS

• CULTURE OF CARING—“EVERY KID HAS SOMEONE THEY CAN CONNECT WITH”

• TEACHER COMMON PREP PERIOD – Team Collaboration

• MEETING STUDENTS WHERE THEY ARE…SAT PREP CLASSES (during and after school), EXTENDED DAY, FOCUS ON FRESHMEN, IMPACT PROGRAM, AFTER SCHOOL TUTORING, MONTHLY ATTENDANCE MEETING, STEAMM TUTORING, PARENT WORKSHOPS,

• CO-CURRICULAR CLUBS…DOCTORS OF TOMORROW, FOR GIRLS ONLY, ANTI-BULLYING CLUB, CT GENTS, PRETTY BROWN GIRLS

• CURRICULUM ENHANCEMENTS…WCCC DUAL ENROLLMENT, IB, AP, PROJECT LEAD THE WAY
MISSION
We educate and empower every student, in every community, every day, to build a stronger Detroit.

VISION
All students will have the knowledge, skills, and confidence necessary to thrive in our city, our nation, our world.
DISTRICT CORE VALUES

INTEGRITY
Do the right thing, even when no one is looking. Be honest. Be trustworthy. Be accountable.

SERVICE
Listen. Empathize. Respond. Own problems and help to solve them.

EQUITY
Diversity is an asset that makes us stronger. Advocate for the needs of others. Ensure that all members of our community have access to the tools and resources they need to be successful.

TENACITY
Embrace hard work and persevere in the face of challenges. Follow through on your commitments and strive to do your best, no matter what.

STUDENTS FIRST
Make decisions that are in the best interest of students. Use every resource strategically so that we can meet students’ individual needs.

EXCELLENCE
Be relentless in your pursuit of greatness. Be bold and innovate. Learn from your mistakes. Hold yourself and others to high standards.

OUTSTANDING ACHIEVEMENT
Dramatically improve the academic experience of all students to ensure they are college and career ready.

TRANSFORMATIVE CULTURE
Transform our culture so that students, families, community members, and staff feel safe, respected, and connected.

EXCEPTIONAL TALENT
Build an excellent team of dedicated staff to serve our students.

RESPONSIBLE STEWARDSHIP
Manage and deploy our resources responsibly, transparently, and equitably to support our students’ success.

WHOLE CHILD COMMITMENT
Champion a whole child approach that unlocks students’ full potential.
PRIORITIES

- Increase math proficiency
- Increase 9th grade retention
- Cultivate a culture of caring through PBIS with additional support systems
- To improve chronic absenteeism
**CASS TECH - DATA OVERVIEW**

- **DATA CHANGES DAILY (ATTENDANCE DURING SAT TESTING)**
- **DAILY ENROLLMENT IS 95%**
ENROLLMENT DATA

- 9th Grade – 694
- 10th Grade – 579
- 11th Grade – 519
- 12th Grade - 571
STUDENT ATTENDANCE

• DATA CHANGES DAILY.
• AVERAGE DAILY ATTENDANCE IS 95%.
CHRONIC ABSENTEEISM RATE

- 9th Grade – 21%
- 10th Grade – 38%
- 11th Grade – 39%
- 12th Grade – 67%

42.1%
MONITORING ATTENDANCE

ATTENDANCE AGENTS

Support Michigan Department of Education Compulsory School Attendance Law

Meet with parents, teachers, and support staff to provide wrap-around services for students with attendance concerns

Monitor student attendance and provide interventions

Track student truancy and provide court interventions when necessary

Utilize MISTAR system to analyze attendance data
  - Student Percent of Absent Report
  - Master Absence List
  - Excessive Absence Report

Each agent is responsible for a specific grade level and follows those students through to graduation

Act as school liaison for McKinney-Vento Act students

ATTENDANCE MONITORING PROCESS

Notified of absence by teacher

Alerted to attendance issues

Data pulled from reports

Locate student & contact parent

Contact unsuccessful

Contact successful ... continue to monitor for improvement

Conduct home visit

1. Send letter home
2. Send legal notice
3. Truant Net Referral
4. Appearance in Court

Attendance Monitoring Process
STUDENT RETENTION RATE:

WE BUILD COMMUNITIES

- 9th Grade – 97%
- 10th Grade – 98%
- 11th Grade – 97%
- 12th Grade – 98%
SUSPENSION RATE

- PBIS data is used to improve our school culture.
STAFF ABSENTEEISM

- Average absences are 5-6 per day.
- Absences are due to sickness or personal business matters.
PERFORMANCE SUMMARY

2017-2018

- Cass Tech – 45%
- State of Michigan Average – 40%
PROGRESS
SUMMARY

2017-2018

- Cass Tech – 41%
- State of Michigan Average – 41%
GRADUATION RATE

2017-2018

- Cass Tech - 95%
- State of Michigan Average – 81%
ADVANCED COURSEWORK

2017-2018

- Cass Tech – 52%
- State of Michigan Average – 45%
POSTSECONDARY ENROLLMENT

2017-2018

• Cass Tech – 85%
• State of Michigan Average – 68%
ENGLISH LEARNER PROGRESS

2017-2018

• Cass Tech – 60%
• State of Michigan Average – 48%
Scholarship Totals

- Class of 2016: $52,459,862.00
- Class of 2017: $58,281,606.00
- Class of 2018: $64,497,746.00
## Perceptions Data: Student Surveys

<table>
<thead>
<tr>
<th>Perception</th>
<th>Score</th>
<th>Percent</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harassment</td>
<td>81%</td>
<td>78%</td>
<td>Perceived threat of negative consequence of identity by peers and staff.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>71%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Belonging</td>
<td>35%</td>
<td>37%</td>
<td>Perceived that they are valued members of the school.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>42%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Climate</td>
<td>41%</td>
<td>39%</td>
<td>Perceived the overall social and learning climate of the school.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>43%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Engagement</td>
<td>22%</td>
<td>27%</td>
<td>Perceived level of engagement and investment in school.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>32%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Rigorous Expectations</td>
<td>54%</td>
<td>59%</td>
<td>Perceived the level of rigorous expectations in the school.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>54%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Safety</td>
<td>55%</td>
<td>50%</td>
<td>Perceived level of physical and psychological safety in the school.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49%</td>
<td>Detroit Public Schools Community District</td>
</tr>
<tr>
<td>School Teacher-Student Relationships</td>
<td>35%</td>
<td>41%</td>
<td>Perceived level of social connection between teachers and students.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>46%</td>
<td>Detroit Public Schools Community District</td>
</tr>
</tbody>
</table>

1,892 responses
Increase student/teacher engagement:

- Student focus groups
- Pretty Brown Girls
- For Girls Only
- Girl Power Seminar
- Boy Power Seminar
- Anti-Bullying
- Gun Violence Rally – made world news
PERCEPTION DATA: PARENT SURVEYS

- High reported data – Bullying and School Fit (Parents feel that Cass Tech is doing extremely well in preparing and providing students with knowledge, skills, and confidence necessary to thrive in our city, nation, and world.

- Low reported data - Family Engagement (use team meetings and parent workshops to increase percentage) Principal meets with SAC bi-weekly, alumni association, student focus group, teacher focus group, Painting with a Twist activity for parents and teachers.
PERCEPTION DATA: STAFF SURVEYS

• High reported data – Engaged and Valued, and Core Value (staff felt that supervisors strongly valued their contribution to team work and collaboration.

• Low reported data – Professional Learning (staff felt that Cass Tech is not strongly committed to help them develop as a professional. (PD is provided by the district)
ACHIEVEMENT DATA SNAPSHOT:
SPRING ASSESSMENTS (CASS TECH EXCEEDED THE STATE SCORES IN MATH)

<table>
<thead>
<tr>
<th></th>
<th>2016-2017</th>
<th>2017-2018</th>
<th>GROWTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBRW-evidence based</td>
<td>68.4%</td>
<td>68.5%</td>
<td>+0.1%</td>
</tr>
<tr>
<td>MATH</td>
<td>26.7%</td>
<td>29.6%</td>
<td>+2.9%</td>
</tr>
</tbody>
</table>

PSAT 10 (Percent of Students Who Met or Exceeded Benchmark)

<table>
<thead>
<tr>
<th></th>
<th>2016-2017</th>
<th>2017-2018</th>
<th>GROWTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBRW</td>
<td>80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH</td>
<td>39%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Top schools in per-student usage. The top 10 schools in March were:

- Communication and Media Arts HS (204 minutes per student)
- Benjamin Carson School for Science and Medicine (189 minutes per student)
- Douglass Academy for Young Men (186 minutes per student)
- Southeastern High School (131 minutes per student)
- King High School (127 minutes per student)
- Detroit International Academy for Young Women (98 minutes per student)
- Davis Aerospace High School (90 minutes per student)
- Cass Technical High School (65 minutes per student)
- Detroit School of Arts (65 minutes per student)
- Western International High School (59 minutes per student)

Individual school SAT Prep highlights:

- **Academy of the Americas**: 71.82% of sophomores have completed 6 or more hours of SAT Prep on Khan Academy. 38% of sophomores have completed 20 hours or more of Khan Academy SAT Prep.
- **Ben Carson**: 53% of juniors have completed 6 or more hours of SAT Prep on Khan Academy. 89.33% of freshmen have already linked their Khan Academy accounts to the College Board.
- **Cass Tech**: 54% of juniors have completed 6 or more hours of SAT Prep on Khan Academy.
- **CMA**: 76.35% of CMA juniors have completed 6 or more hours of SAT Prep on Khan Academy. 67% have completed 10 hours or more of SAT Prep.
- **Cody**: Moved from having 9 sophomores with linked accounts to 84 sophomores with linked accounts from February to March. Moved from having 57 juniors with linked accounts to 149 juniors with linked accounts from February to March.
- **Detroit International Academy for Young Women**: 45% of juniors have completed 6 or more hours of SAT Prep on Khan Academy.
- **Osborn**: 38.85% of juniors have completed 6 or more hours of SAT Prep on Khan Academy.
- **Western**: 42% of juniors have completed 6 or more hours of SAT Prep on Khan Academy. 23% (109) juniors have completed 20 or more hours of SAT Prep on Khan Academy.
## ASSESSMENT DATA SNAPSHOT: SPRING ASSESSMENTS

### PSAT 9 (Percent of Students Who Met or Exceeded Benchmark)

<table>
<thead>
<tr>
<th></th>
<th>2016-2017</th>
<th>2017-2018</th>
<th>GROWTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBRW (evidence-based)</td>
<td></td>
<td>44%</td>
<td></td>
</tr>
<tr>
<td>MATH</td>
<td></td>
<td>70%</td>
<td></td>
</tr>
</tbody>
</table>

### MSTEP SOCIAL STUDIES

<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ADVANCED</td>
<td>PROFICIENT</td>
<td>PARTIALLY PROFICIENT</td>
<td>NOT PROFICIENT</td>
</tr>
<tr>
<td>2016-2017</td>
<td>3.1%</td>
<td>26%</td>
<td>61.6%</td>
<td>9.3%</td>
</tr>
<tr>
<td>2017-2018</td>
<td>3.7%</td>
<td>34.2%</td>
<td>53.5%</td>
<td>8.6%</td>
</tr>
</tbody>
</table>
ASSESSMENT DATA SNAPSHOT: SPRING ASSESSMENT

ACHIEVE 3000

<table>
<thead>
<tr>
<th>Percent of Pre-Test Completion</th>
<th>Level Set Pre-Test Average</th>
<th>Percent of Students on Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.7%</td>
<td>1010L</td>
<td>30.2%</td>
</tr>
</tbody>
</table>
SECURITY UPDATE

• Additional security officers are needed.
• We currently have 2 Public Safety Officers and 4 security officers.
• We need additional officers for a building this size.
BUILDING UPDATE

Our building has been selected to receive funding towards renovations in order to maintain an environment conducive to learning.

<table>
<thead>
<tr>
<th>Cass Technical High School</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Roofing $120,000</td>
</tr>
<tr>
<td>• Athletic Field $300,000</td>
</tr>
<tr>
<td>• Other Major Costs including masonry repairs, and/or tuck pointing $118,000</td>
</tr>
</tbody>
</table>
SPECIAL RECOGNITION

Adrian Lewis – Eastern Region
District Director, Meijer
50 PLUS PROGRAMS AND PARTNERSHIPS AT CASS TECH:

PROGRAMS
• CT Times
• Anti-Bullying
• For Girls Only
• Extended Day
• Focus on Freshmen
• Impact Program
• PBIS

PARTNERSHIPS
• Ilitch
• Mercedes Benz
• Meijer
• Get It Girls
• STEAMM
• University of Michigan – Doctors of Tomorrow
• Winning Future
• Great Lakes Links/CT Gents
• The objective as a Mentor is to help develop and expand the talent, goals and success within a student, through educational growth and career development and excellent.

• Be an active listener, share knowledge and expertise.

• Help to provide advice and guidance to each Mentee to achieve short and long term growth.

• Help clarify the Mentee’s career goals and monitor their progress in their journey to achieve their goals.

• Challenge Mentee to grow

• Provide insights to help each Mentee better understand the steps necessary to achieve their goals.

• Always praise them on their accomplishments and always let it be known that as their Mentor “I CARE”.

• Review mentee goals and give positive constructive feedback
CULTURE OF CARING

• Shared visions…We are a community…We lead by the heart.

• Before students walk across the stage, they must create their own mission and vision statement…every student must make a commitment to the next step (military, college, entrepreneurship, world of work, etc.)

• Unlike other high schools, we do not have an established feeder school pathway design.

• We meet our students where they are and bring them where they need to be and send them off prepared.

• Students end their high school journey with a Senior Open House.

• Here at Cass Tech, we make dreams come true. We are a dream academy.
THANK YOU FOR YOUR DEDICATION!

- School Advisory Committee (SAC Team) – Terri Berry
- PTA – Cre Baker
- Triangle Society – Monique Bryant
- Alumni Association – Lesley Andrews
- Coach Steve Hall – Hall of Fame
- Monica Jones – Student Appreciation Day
- Administrative Team, Teachers, Custodians, Officers, Food Service Staff, Ms. T. Lewis, Ms. Hicks
- Jaleah Green – Cass Tech student to be interviewed on Fox 2 News with the Director of DIA to promote the 82nd Annual DPSCD Student Exhibition at the DIA. Show will run April 27 – June 2nd.
- Cass Tech students participated in DAN Young Explorers Program where they shadowed execs from Facebook, ESPN, and One Solution.
- Cass Tech DECA attended the state competition where 17 students advanced to the international competition. This is a record number of students to qualify in Cass Tech’s history. The participants will travel to Disney World for the competition.