Reflection is the path to every successful program.
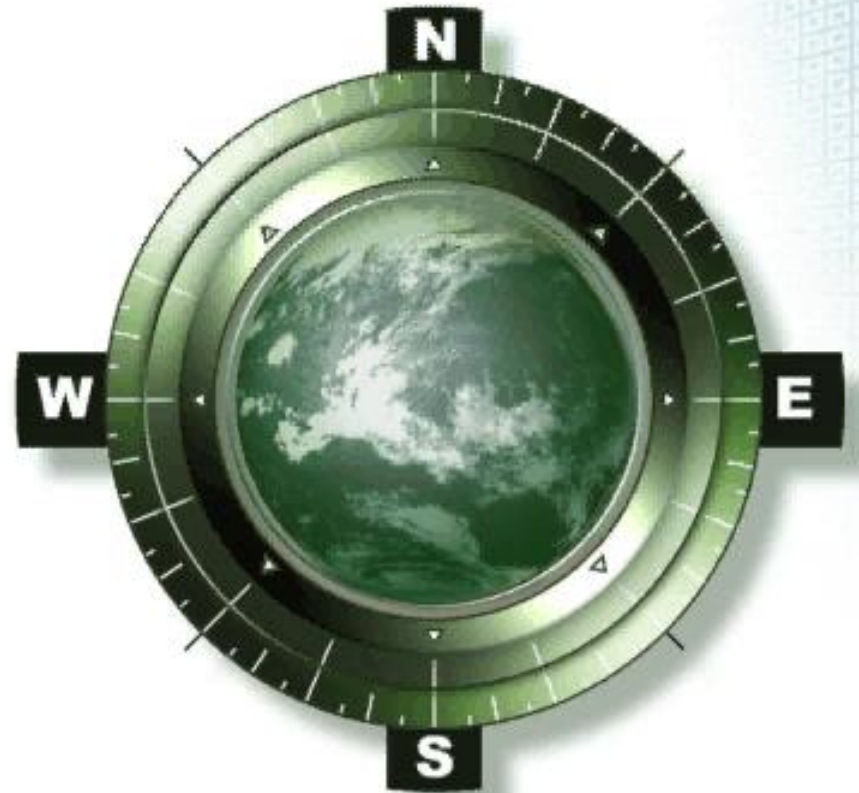
Presenter: Dr. Juan Chavez, Jr.
March 6, 2019

…let us reflect…

CTE Mission

Strengthen existing programs, create new programs, and increase the number of industry certifications offered at the CTE Certification Center as well as at the six comprehensive high schools and three schools of choice for all BISD students, in order to meet local labor demands and align with local higher education institutions.

CTE Programs (Implemented 2018-2019)

- CTE Certification Center
  - Distribution & Logistics (Forklift Operator Certification, OSHA-10)
    - Forklift Simulator
  - Pipefitting/Welding (AWS Welding Certification, OSHA-10)
    - Welding Simulator

- Pilot Program at Pace ECHS (75)
  - Cybersecurity (Project Lead The Way – Computer Science)

CTE Projects (Pending)

- 5 CV classrooms renovation (in progress) to continue growth of CTE Certification Programs
  - CV1: Pipefitting/Welding
  - CV2: HVAC & Refrigeration
  - CV3: Electrical Tech. & Plumbing Tech.
  - CV4: Building Trades (Residential/Non-Residential)
  - CV5: Robotics

Working with BISD maintenance/facilities, city permitting department, engineers, and others to ensure blueprints are up to code for renovation.

CTE Programs (2019-2020)

- ## CTE Certification Center
  - Robotics (CV 5)
    - FIRST RGV Robotics Competitions (UIL Event)
  - Building Trades (Residential/Non-Residential) - (CV4)
    - Pre-Apprenticeship/Apprenticeship Programs
  - Electrical Technology (Residential/Commercial) - (CV3)
    - Pre-Apprenticeship/Apprenticeship Programs

- ## P-TECH Campuses
  - Hanna: Biomedical Technology
  - Porter: Advanced Manufacturing (Mechatronics)

- ## Expand Computer Science Program (PLTW)
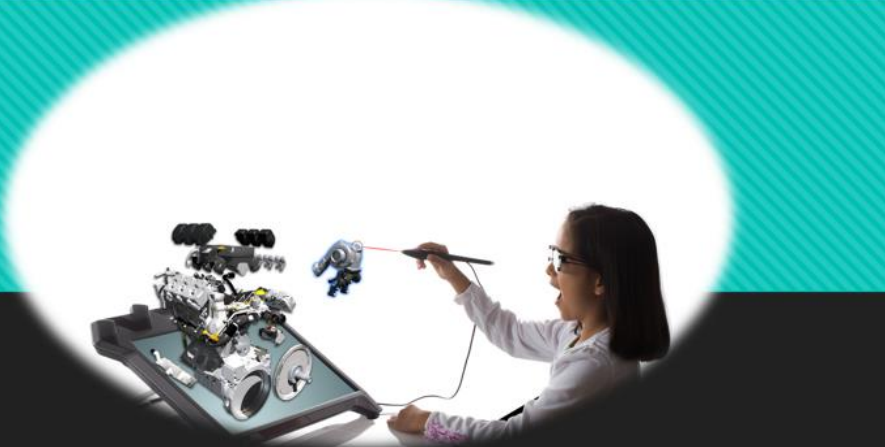 - CS classes included as part of CTE weighted funding
  -

CTE Initiatives (2019-2020)

- STEM Mobile Learning Unit (12-14 STEM hands-on activities for elementary students)

CTE Initiatives (2019-2020)

zSpace

Virtual and Augmented Reality

Our Vision…
Future CTE Programs (2020-2024)

- Automation, Artificial Intelligence, Augmented Reality and Virtual Reality

- Solar and Wind Energy

- Commercial Driver's License (CDL) – Researching possibility

- Plumbing Technology

- Proposed P-TECH for Construction Technology

- Proposed P-TECH for Information Technology (Cybersecurity)

- Proposed P-TECH for Electrical Technology