

CHENEY TECH UPDATE FALL 2017-2018

DIESEL

New

- We have acquired several Caterpillar diesel engines from Wolcott Tech for training.
- There are 18 freshmen for the Class of 2021.
- A NEW full-time diesel instructor has been hired.

Continuing

- All classes are using an on-line textbook (CDX – *Fundamentals of Medium/Heavy Duty Diesel Engines/Commercial Vehicle System*. Literacy and Numeric Goals.
- CHTSS 90-day blue bus inspection and minor repairs.
- Practicing tasks at the National Guard to continue early in 2018.

WELDING

- 2 seniors presently have WBL
- Seniors worked on an outside cooker/smoker and put in new shelving and brackets
- Juniors and seniors replaced the bed of a ford truck
- Welders are presently working on a prototype chair for a new restaurant
- 35 students from the sophomore, junior and senior class are practicing for their OSHA 10 certification

Professional Capital

MDET

- 1 Senior on WBL (A second started 1/23/18)
- Juniors and Seniors preparing for Solid Works Certification
- Juniors receiving ASHI First Aid/CPR/AED certification (Seniors will receive recertification in the spring of 2018)
- Adjusting Computers after summer reload
- Numerous Internal design Production Projects

AUTOMOTIVE

- Partnering with local businesses allows 5 Seniors to take part in Work-Based –Learning
- ASE Student Certifications taken this Fall saw 5 Seniors passing all four areas
- Digital Meter Certification Tests were given to 10th Grade students with all 16 passing.
- Three vehicles were brought to Auto Lab side and one was scrapped
- Many Automotive Colleges have presented their programs to our students
- We have taken in two donated vehicles, which are both Subaru's. These will be used for training purposes.

CTE

**ARTS, CONSTRUCTION, HOSPITALITY,
INFORMATION TECHNOLOGY,
MANUFACTURING AND
TRANSPORTATION**

Career Technology & Academic Connections

Coherence

Partnership

CHENEY TECH UPDATE FALL 2017-2018

Professional Capital

ELECTRICAL

- 60% of Seniors are on WBL
- 25% of Juniors are on WBL
- Started the first solar production job
- Increase use of Google classroom
- OSHA 10 cards for 10th graders
- Seniors to Local 7 for application process
- Seniors to local 35 for application process
- Collaborating with other tech schools on solar projects.

CTE

**ARTS, CONSTRUCTION, HOSPITALITY,
INFORMATION TECHNOLOGY,
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TRANSPORTATION**

HVAC

- In collaboration with Carpentry and Electrical we are starting a major production job here in Manchester, HVAC is doing a Boiler oil to gas conversion, installation of ductless mini split systems, and gas piping for the boiler and a generator
- OSHA 30 is under way for the sophomores
- Having very successful freshman exploratory phases 1 and 2
- Improving HVAC trade math skills with the help of Alexandra Bustillos

Partnership

CARPENTRY

- Carpentry/MDET collaboration Instrumental drawings-CADD Grades 11-12
- Carpentry/Math trade math collaboration Grades 10-11-12
- Employability curriculum implemented Grade 11
- Carpentry/ Electrical production job Channel 3 Kid's Camp toll booths 11-12
- Annual Coat drive All grades
- Thanksgiving/ Christmas dinner volunteers HVCC grade 12
- Legere Group Ltd contact- potential WBL grade 12
- Increased use of Google Classroom All grades
- Introduction to Kahoots 11-12

Career Technology & Academic Connections

PRECISION MACHINING

- Four seniors on WBL and two juniors.
- Field to the ACTE job fair
- 18 freshmen in 9th grade PMT 63 total students in the program.
- CTEAC meeting held on October resulting in 2 students being hired
- A newsletter is being sent home each Marking period
- Numeracy goal is going to be met with assistance of Alex Bustillo teaching shop math
- Lessons have been expanded using Smartboard, google chrome and chrome books
- We are working with MDET on students' job shadowing each other in programming.

Coherence

CHENEY TECH UPDATE FALL 2017-2018

CULINARY ARTS

- 300 Gingerbread Men for Manchester Library
- 5 Gallons of Soup for MCC Fundraiser
- 6000 Brownies for the Hartford Marathon
- Assorted Pastries for a Member of the Community
- Athletic Directors Breakfast
- Athletic Directors Luncheon
- Bolton Senior Center Luncheon
- Catering Job for a Staff Member
- Chinese Guest Luncheon
- Cookies and Juice for the Halloween Party
- Cookies for the Treehouse Center
- Culinary Institute of America Visit
- Daily Production
- Diesel CTEAC Luncheon
- East Hampton Senior Center Luncheon
- Exploratory Fair Breakfast
- Food for Career Night
- Guidance Breakfast
- Holiday Party Catering for Allied Group
- HVAC CTEAC Dinner
- Machine Tool CTEAC Platters
- Open House
- Pizza and Sandwiches for the Blood Drive
- Student Congress Luncheon
- Student of the Month Lunch
- SVFT Buffet Dinner for 100

DIGITAL MEDIA

- The Digital Media YouTube page has a record 83,974 views, 419 videos and 302 subscribers.
- The first three episodes of HCTV have been posted online as of 11/23, two months earlier than last year's third episode.
- Cox Communications Public Access has been running HCTV News twice a week for a year and a half and has added it to their on-demand streaming.
- The junior and sophomore DM classes attended a virtual reality conference and demo at MCXX.
- The DM sophomores, juniors and seniors are submitting 20 entries to the annual CT DMV Safe Teen Driving PSA contest.
- All DM classes submitted 35 entries to the annual New York Times Vocabulary Video contest.
- Two DM seniors played a key part in the school's middle-school recruitment program, which also utilized a DM video to introduce the recruitment PowerPoint.

INFORMATION SYSTEMS TECHNOLOGY (IST)

- Professional Capital and Communities of Practice
 - Information Systems Technology staff are currently enrolled in advanced degree college programs that focus on STEM studies.
 - IST students have taken and passed MOS Certifications in database, accounting spreadsheets, and presentation software.
 - 12 IST students have received college credits from Manchester Community College according to matriculation agreement with IST CTE.
- Connections with Academics and Career Technology
- Math and IST instructors collaborate to provide instruction to IST students for Senior Assessment and Employability Test. Emphasis is on Business Math and Algebra.
- IST students are studying and reviewing for the employability test with Ms. Zyretha Langs, Director of Admissions and Counseling.
- Grow Partnerships with Business and Industry, Community, Families, and Colleges and Universities
- WBL
 - Marcus Communications: Software Administrator
 - Able Tool: Database Management
 - The Farm Store at Maple Hill Farms: Web Design
- Foster a digital environment through blended learning
- Students have configured an (in shop) IST Cloud Resource
- Utilizing online courses to provide instruction, training, and assessments for students.
- Certifications - IST students continue to complete Microsoft Office Specialist certifications. Additionally students who are interested in specialty areas are training and/or have completed certifications with TestOut for hardware, networking, and server configuration.
- Establish Coherence in our procedures and practices
 - Numeracy - IST students have developed and applied logical analysis using industry computer programming language JavaScript, C#, and Python.
 - Literacy – Students demonstrate increasing understanding of terminology regarding computer programming, application development, computer networks and business software.

Digital Learning

NATIONAL ART HONOR SOCIETY

We are all excited that the Afterschool program is starting so our National Art Honor Society gets to meet.....and plan for Imagine Main Street in May.

CTE

**ARTS, CONSTRUCTION, HOSPITALITY,
INFORMATION TECHNOLOGY,
MANUFACTURING AND TRANSPORTATION**

Career Technology & Academic Connections

Partnership

CHENEY TECH UPDATE

FALL 2017-2018

Career Technology & Academic Connections

ENGLISH/LANGUAGE ARTS

- Professional Capital and Communities of Practice
Instructors meet and contribute to PLC groups
- Connections with Academics and Career Technology
Instructors have reached out to trade teachers to do trade literacy in the classroom
- Grow partnerships with Business and Industry, community, Families, and College and Universities
Verplanck Mentor Club
Verplanck Community drive for the homeless
Verplanck Holiday Gift Drive
- Foster a digital environment through blended learning
Blended learning continues to foster the learning environment
Grades 9-12 utilizing google classroom
Training with digital textbooks
- Establish Coherence in our procedures and practices
Instructors meet by grade to discuss lessons and activities

HEALTH/PE

- Professional Capital and Communities of Practice
- Connections with Academics and Career Technology
- Grow partnerships with Business and Industry, community, Families, and College and Universities
UConn nursing students are doing presentations in Health classes on social media, lyme disease.
- Foster a digital environment through blended learning
C. Bergquist with the proper computers has become an 85% digital classroom
- Establish Coherence in our procedures and practices
Co-teaching in 9th/10th grade PE classes

LIBRARY MEDIA

3,187 books circulated
9, 10, and 11th graders have chrome books
4 additional carts with 20+ chrome books available
95 Chromebooks have gone out for repair
243 Fiction books were purchased
239 Non-fiction books were purchased
263 study hall passes
Books sent to classrooms to support English and P.E. Health – 33
Library orientation for freshmen
Working on an author visit with Ellen Hopkins
Ocha, STAR, LAS and Admissions testing
Furniture upgrades

*This year's most popular series The Red Queen by Victoria Aveyard
*This year's most popular single book request Wonder by R.J. Palacio

ACADEMICS, GENERAL EDUCATION,
LIBRARY, RELATED EDUCATION

Partnership

Professional Capital

ART

In Advanced art, students are studying the art of Surrealism and learning about Aesthetic Art Criticism; how to Describe, Analyze, Interpret and Judge a work of Art. They are focusing on the art style of Surrealism and creating their own surrealistic masterpieces. In 3-dimensional design, students are creating abstract organic sculptures, (using creative problem solving and found objects) with old stockings over a wire armature. The results are amazing! In Elements and Principles of Design, students are learning the 3 methods of creating depth in a drawing, how to turn a shape into a form with drawing.

Coherence

SCHOOL TO CAREER

Student Leadership
9th and 10th grade

Goal area: **Employability**

- Basic budgeting, saving and managing money
- Research learning styles and career interests using Career Cruising.
- Develop a career research presentation promoting a career choice.
- Evaluate career goals and establish short and long term goals.
- Complete online and hard copy employment applications.
- Construct an employment search strategy and network.
- Research resume writing, create a technical resume, cover letter and follow-up/thank you letter.
- Develop and demonstrate interview skills.
- Assemble an electronic portfolio using Google Sites.

CHENEY TECH UPDATE FALL 2017-2018

SCIENCE

Grade 12 -

Grade 11 -

Grade 10 - Active Google Classrooms, Online Newsela articles linked to lessons, Egg-Osmosis Lab, NGSS learning, Multi-modal use of models to differentiate learning

Grade 9 - Active Google Classrooms, Online Newsela articles linked to lessons, NGSS learning, Multi-modal use of models to differentiate learning, periodic table modeling, use of Phet website for blended learning and flipped classroom activities

ACADEMICS, GENERAL EDUCATION, LIBRARY, RELATED EDUCATION

SOCIAL STUDIES

- Professional Capital and Communities of Practice
Online learning
- Connections with Academics and Career Technology
Explicit practice writing skills, analysis of diagrams
Respect
- Grow partnerships with Business and Industry, community, Families, and College and Universities
Employability skills are practiced in Academics - soft skills
- Foster a digital environment through blended learning
Grades 9-12 utilizing google classroom
Grade 9 - Big History utilizing 3 CLOSE reads
- Establish Coherence in our procedures and practices
Grade 11 - instructors communicating with each other on lessons and projects
Grade 9 - cellphones/IDs have become a non-issue.

Coherence

MATH/CTE CONNECTIONS

Precalculus: surface area that maximizes volume, related to MDET.

Business math: Payroll and deductions, connections with history, politics and business. Content is relevant to all shops.

Advanced Algebra: Population growth: science connection.
Right triangle trigonometry: connection to precision machining and welding.

Algebra 2: connection with mixture problems.

Algebra 1: Students are developing Communication skills by working in stations and constructing viable arguments;
Collaborative stations, teamwork; Targeted daily group topics to achieve individualized goals.

Blended Learning: use of google classroom, Khan Academy videos, online textbooks, ALEKS, responders, Desmos, TI 84 SmartView, Geogebra

Geometry: Measurement, area, perimeter and volume.

Algebra: Proportion, ratio, conversion, volume conversions used in Culinary, fractions and decimals used in all shops, manipulation of formulas used in all shops and Science.

Students are learning how to be independent learners, as we teach them how to access information on the web to help construct their own learning/understand different topics.

Partnership

Career Technology &
Academic Connections

Professional Capital

CHENEY TECH UPDATE FALL 2017-2018

Professional Capital

ATHLETICS, FIELD TRIPS, STUDENT ORGANIZATIONS, STUDENT SUPPORT

COUNSELING SERVICES

Counselors gave lessons (exp. Intro, decision making).

- School social worker did bullying presentation
- Collegeboard training
- School psychologist resources
- Career Night
- Back to School Night
- Parent newsletters
- Counselors did MCC tour, UCONN Counselor Day
- Counseling staff all have classrooms
- Students created Khan academy, CB accounts
- School social worker went into a class to review PowerSchool
- S.A.T.
- Senior mentors

ENVIROTHON
Inactive

STUDENT COUNCIL

- Student council update. Student Council hosted the following events during Fall 2017:
- 9 dress down days
- Halloween Dance (300+ students attended)
- Homecoming Dance (250 students attended)
- Student vs faculty volleyball game
- Pep Rally (325)
- William Cross was elected Assistant Secretary for Student Council Representative for the Connecticut Technical High School System

FIELD TRIPS

CT Convention Center, IBEW, MACC Charities, Nathan Hale, Middle School Recruiting, Ski Sundown, UCONN, Energize CT, Fox61, Hartford Courant

Partnership

ENGLISH LANGUAGE LEARNER

Professional Capital and Communities of Practice

- Participated in district training for TESOL staff on SRBI process with a focus on the careful identification of learning needs to design appropriate interventions.

Connections with Academics and Career Technology

- CTE connections: CTE word of the day journal response or discussion
- Studying ASVAB vocabulary as part of word study and vocabulary development.
- Extracting and explicit instruction of vocabulary from the Career Readiness Assessment to prepare 11th and 12th grade students for test mastery

Grow Partnerships with Business and Industry, Community, Families, and Colleges and Universities

- During the 1st marking period I had 31 contacts with parents of my students. These contacts represented communication with more than 50% of my student's families.
- Researching continuing educational opportunities with my 12th graders.

Foster a digital environment through blended learning

- Students have been interacting with their ELD and Language Lab curricula outside of the physical classroom through the Google Classroom Platform.

Establish Coherence in our procedures and practices

- The ELD program works to interface with all content teachers to support content curriculum, procedures and practices in the content area and shop classrooms.

Career Technology & Academic Connections

Coherence

NATIONAL HONOR SOCIETY

October 18th

- Held informational meeting with 30 students previously identified as potential candidates to the NHS
- These students met GPA requirements
- Students were notified of the application process and all information needed to comply with NHS requirements
- Q&A session followed
- Current members of the NHS were present
- Due date for applications was set for November 23rd.

January 10th

- NHS Faculty Council met on room D103 (members: Mr. Jennings, Mrs. Goodman, Mrs. Olson, Mrs. Suarez, Mrs. Ortiz-Sanchez)
- Application packets were distributed to all faculty members
- Discussion of applicants followed

January 19th

- NHS Faculty unanimously voted in all applicant for induction. Students are: Rachel Davis, Christopher Baten, Amanda Healy, Bryan Rodriguez and Jon-Austin Olechno

January 24th

- During Club Day, current members of the NHS met to discuss upcoming events.
- March 6th set as tentative date for Induction ceremony
- NHS members to select honorary teacher
- Collin Coulliard in charge of planning volunteer hours through the MACC – Kitchen Soup
- Tashfia Jilu in charge of group picture for Yearbook
- Members discussed NYC trip including itinerary and related cost.
- Members discussed options for Graduation Regalia (cords, stole, etc.)
- Next meeting schedule for Tuesday Feb 13th 2nd period in room D103

Coherence

CHENEY TECH UPDATE FALL 2017-2018

Professional Capital

ATHLETICS, FIELD TRIPS, STUDENT ORGANIZATIONS, STUDENT SUPPORT

Work Based Learning

WBL # of Students 45
WBL # of Placements 55
WBL # of Apprenticeship positions 16

RHO KHAPPA

Volunteer at MACC Food Bank once a month doing activities such as:

- Sorting donations
- Stocking shelves
- Serving food

Organized a Toy Drive for underprivileged children

Partnership

SPECIAL EDUCATION

The department:

- is fully staffed with five teachers and a department head.
- team teaches across all disciplines. Special education supported classes are co-taught five days a week.
- works in conjunction with outside agencies to design comprehensive plans that support the learning, emotional, and social needs of all students.
- was 100% compliant with all Special Education paperwork and timelines, per a recent State Report.
- has a scheduled collaboration time with regular education teachers and trade teachers to plan lessons that will allow all students to access the curriculum.
- has a weekly scheduled special education department meeting which also includes the counseling department to become more coherent with our practices.
- provides a daily structured homeroom for students in special education to build strong relationships, organize materials, and check work in progress.
- provides information on ninth grade students in special education to all Career Technology Education teachers at the beginning of the school year.
- collaborated with a CREC consultant to learn and implement various assistive technology programs that will support all students.
- works in collaboration with the Bureau of Rehabilitation Services (BRS) to find supportive, competitive employment opportunities for students.
- provided information to families and prospective students on available outside agencies and services.
- presented a full faculty Professional Development on various co-teaching models.
- received thorough training regarding how to administer and analyze the results of the Woodcock Johnson-IV Test of Achievement.

Career Technology & Academic Connections

CHENEY TECH UPDATE FALL 2017-2018

Career Technology & Academic Connections

ATHLETICS

New Football Coaches, Sanchez, Churchill and Holman

Football - 60 Athletes - Varsity 4-6 – JV 6-2 – CTC All Conference Josh Holman, Efren Dawson

Cross Country – 9 athletes

Soccer – 39 athletes – 6-10-2 – CTC tournament – CIAC Tournament – 1st time 2 sisters scored goals in the same game on a boys team – CTC All-Conference Matt Motyka

Volleyball – 34 Athletes – Varsity 21-3 – JV 14-6 – CTC Tournament Champions – CIAC Tournament – CTC All Conference Egypt Bell-Clayton, Madison Tufi

CLUBS

- Anime
- Archery
- Biking
- Billiards
- Bowling
- Chess/Games
- Cooking/Culinary
- Fishing
- Movie
- Music
- NAAHS
- NHS
- Organizer
- RC Cars
- RHO Kappa
- SkillsUSA
- Sports Fitness
- Study Hall/Reading
- Verplanck
- Video Games
- Walking
- WBL
- YAASS

Partnership

**ATHLETICS, FIELD TRIPS, STUDENT
ORGANIZATIONS, STUDENT
SUPPORT**

YEARBOOK

- 91 yearbooks sold (20 more than last fall)
- Senior portraits completed as of 12/05/17
- Did not get 100% of staff members to take their pictures for yearbook, therefore, once again, we'll have to recourse to old yearbook pictures and pictures taken in-house
- In addition to Yearbook Google Classroom to communicate with seniors, I also have a google classroom, just for yearbook staff.
- This year's cover, once again, was created by one of our senior students

Coherence

SKILLSUSA

Participated in:

- Back to school night
- Open house
- Career night
- Leadership conference October 27th
- Regional competition Feb. 7th
- State competition April 6th
- Construction day March 28th
- Practice Testing Month of December
- Competition testing month of January

AFTER SCHOOL PROGRAM

Budget approved, start date
January 29, 2018

Professional Capital

CHENEY TECH UPDATE

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CLASS OF 2020

Connections with Academics and Career Technology

Class of 2020 is working hard on several fundraisers we have planned this year, while trying to build a sense of community and family amongst class members. Fundraisers planning and implementation have included public speaking (making the pitch), designing advertisement materials (IST and MDET), getting press coverage (Digital media), and many other soft skills that translate into connecting our Academics with our Career Technologies.

Establish Coherence in our procedures and practices-Class officers have successfully presented proposals to wear a Class of 2020 shirt as a limited part of their academic uniform and are beginning to plan lobbying for time to access lockers in the morning before homeroom. Students must follow a protocol to gain permission for their ideas, which includes setting up meetings, emailing, and communicating with various school staff regarding their project, while meeting all other academic and trade requirements.

Foster a digital environment through blended learning

As the advisor, I am working on creating a webpage to communicate with parents more directly and effectively regarding Class of 2020 specific information, which will become increasingly important as they advance through the years.

Grow Partnerships with Business and Industry, Community, Families, and Colleges and Universities

Our fundraising has connected us with local businesses like Dave and Busters, and Rainbow Graphics, promoting Cheney Tech in our community.

CLASS OF 2018

- Prom Location Georgina's Bolton ct.
 - o Date: Date April 27th, 2018
 - o We are in the process of selecting dinner choices.
 - o Decorations have been selected.
- Outing Location and date:
 - o Holiday Hill
 - o May 24th, 2018

We have completed all budgeting paperwork.

- Class of 2018 is planning a Dance (Planning stages)
- Class of 2018 has created Decorating Committee's for the Spirit Week events in the Gym

CLASS OF 2021

Establish Coherence in our procedures and practices

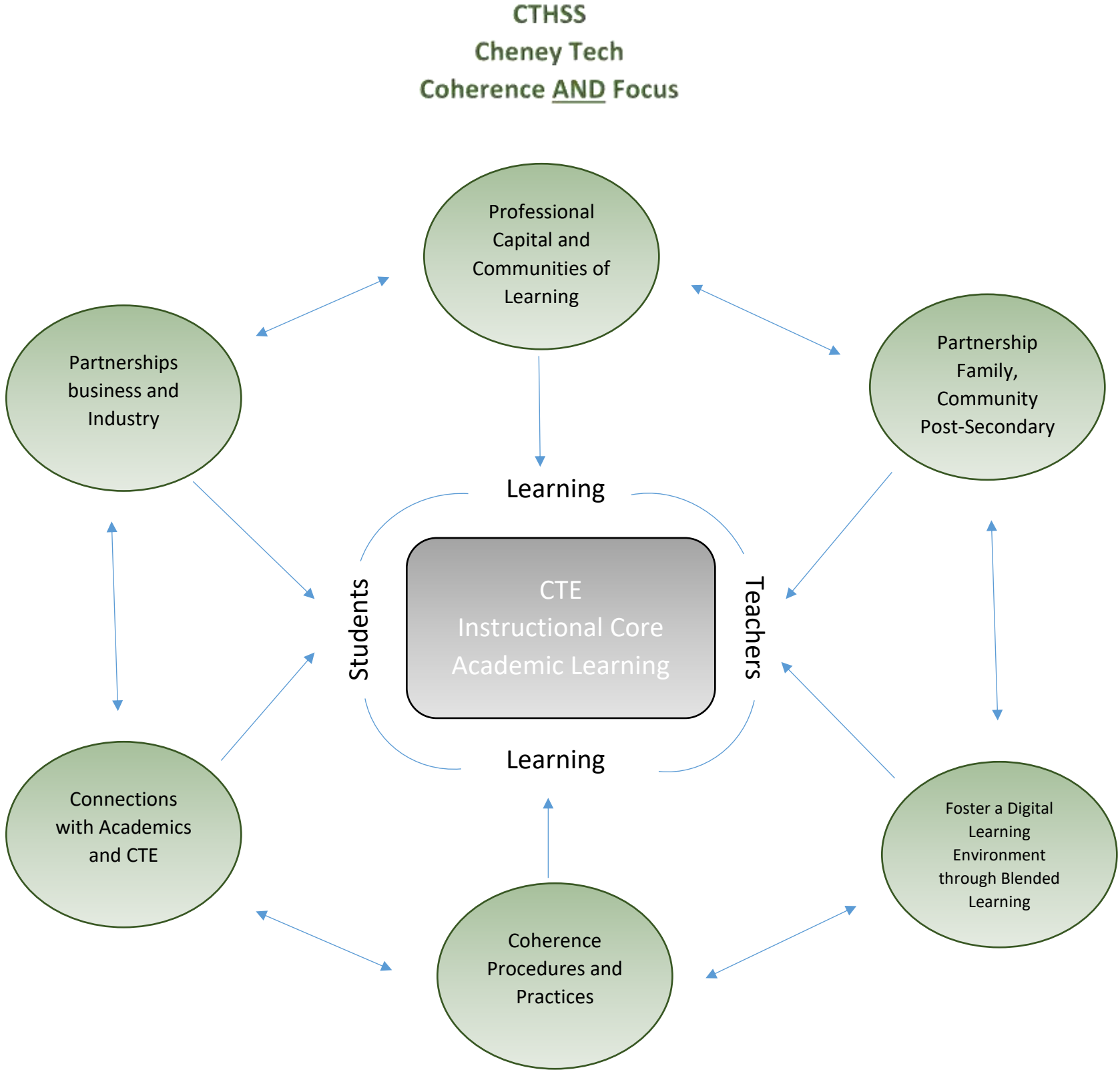
Class of 2021 is beginning to assemble to move through the election process for Class Officers. I chose to intentionally delay this process so that students would have more time to get to know each other and for the staff to get to know them. As part of our efforts toward coherence, teachers will be part of the nomination process and will be encouraged to weigh in on nominees to be certain that students moved forward from nomination to campaigning deserve and can handle the additional responsibilities.

ATHLETICS, FIELD TRIPS, STUDENT ORGANIZATIONS, STUDENT SUPPORT

CLASS OF 2019

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CHENEY TECH UPDATE

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