

# NCTHS Continuous Improvement Plan 2020-2021

## New Century Technology High School

### Vision

NCTHS strives to prepare leaders for the evolving global STEM workforce.

### Mission

NCTHS will immerse motivated, highly-capable students in advanced studies and industry experience in STEM fields.

### Beliefs

All students are capable of achieving greatness with proper motivation and support.

#### Professional Growth

##### Objectives

- 95% of teachers will effectively integrate technology resources in classroom instruction (TP)
- Provide professional development that has a direct impact on instruction and meets teacher needs

#### Resources

##### Objectives

- All educators and students will have digital tools necessary to support learning (TP)
- 100% of classrooms and offices in NCTHS will have reliable network access (TP)
- Work with school security and bus company to maintain student safety

#### Community Connections

##### Objectives

- Increase community involvement in school activities and programs
- Increase opportunities for students to participate in challenges and competitions outside the school
- Increase the number of school postings on social media

#### Learning Outcomes

##### Objectives

- Increase percent of eleventh grade students achieving benchmark on ACT Reading to 65% or higher
- Increase percent of eleventh grade students achieving benchmark score on ACT Math to 46% or higher
- Increase percent of students earning College & Career Readiness Indicator before graduation to 99%
- Maintain federal graduation rate of 95% or higher

#### Whole Student Development

##### Objectives

- Maintain 97% or higher of students who are not chronically absent
- Increase PBIS positive referrals by 7% in BLOOM

#### Technology Plan

##### Objectives

- See critical initiatives marked TP throughout the plan

Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives
<ul style="list-style-type: none"> <li>Teachers will participate in professional development on research-based strategies designed to increase student achievement through the use of dynamic, interactive lessons that engage students. (TP)</li> <li>Teachers will participate in training to design learning experiences that respond to differences in individual experiences.</li> <li>Teachers will participate in training designed to create a positive climate that promotes respect and responsibility.</li> </ul>	<ul style="list-style-type: none"> <li>All students and educators will have access to a comprehensive infrastructure for learning and productivity using digital tools, when and where they need it to fully support the learners. (TP)</li> <li>Increase student growth through the use of technology-based resources by providing adequate digital resources for use in 100% of classrooms. (TP)</li> <li>Increase student access to a reliable network by providing the needed infrastructure and equipment in all classrooms and common areas of the school.</li> <li>Communicate concerns in a timely manner with security and/or bus company to address any potential issues</li> </ul>	<ul style="list-style-type: none"> <li>Increase communication with parents and community regarding school activities and opportunities for involvement</li> <li>Provide more opportunities for families, businesses and others in the community to become involved in the school through programs and activities.</li> <li>Encourage participation of interested students in the NASA SpaceApps Challenge and other competitions. (TP)</li> <li>Develop connections with local businesses that provide students the opportunity to visit, learn from, and work with business people. (TP)</li> <li>School publicity group will share school news and classroom activities on social media</li> </ul>	<ul style="list-style-type: none"> <li>English teachers will integrate ACT prep in classroom instruction. (TP)</li> <li>Increase support for student learning through tutoring, Problem Solving Team, and peer mentoring.</li> <li>Math teachers will integrate ACT prep in classroom instruction. (TP)</li> <li>Increase support for student learning through tutoring, Problem Solving Team, and peer mentoring.</li> <li>Educate students regarding significance and importance of CCRI attainment</li> <li>Provide additional opportunities/avenues for students to earn a College and Career Readiness indicator. (TP)</li> <li>Work with individual students to ensure graduation requirements are met in a timely manner</li> </ul>	<ul style="list-style-type: none"> <li>Follow district guidelines for tracking student attendance and reporting students with excessive absences</li> <li>Notify parents when students are not participating in class</li> <li>Encourage teachers to consistently recognize students who go above and beyond expectations and make a positive impact on another individual, a class, or the school</li> <li>School guidance counselor will provide grade-appropriate lessons to help students build confidence, motivation, and strong work ethic throughout high school.</li> </ul>	

Key Measures	Key Measures	Key Measures	Key Measures	Key Measures	Key Measures
<ul style="list-style-type: none"> <li>Sign-in sheets</li> <li>Classroom observation</li> <li>Training agenda/notes</li> <li>Lesson plans</li> </ul>	<ul style="list-style-type: none"> <li>School technology inventory</li> <li>Network connectivity data</li> <li>Help desk records</li> <li>Work order records</li> <li>Network speed</li> <li>Network uptime</li> <li>Technology inventory</li> </ul>	<ul style="list-style-type: none"> <li>Weekly newsletter</li> <li>PTSA and school social media posts</li> <li>Flyers advertising events</li> <li>Agendas or sign-in sheets for events</li> <li>Social media posts about events</li> </ul>	<ul style="list-style-type: none"> <li>ACT test prep materials</li> <li>Sample ACT bell ringers</li> <li>Sample ACT test questions</li> <li>Sign-in sheets</li> <li>PST documentation</li> <li>Tutoring documentation</li> <li>Sample bell ringers</li> </ul>	<ul style="list-style-type: none"> <li>Documentation of absence letters sent to parents</li> <li>Copies of referral cards</li> <li>Teacher log of parent contact</li> <li>Daily attendance record</li> <li>Administrator log of parent contact</li> <li>Positive BLOOM records</li> </ul>	

Key Measures	Key Measures	Key Measures	Key Measures	Key Measures	Key Measures
	<ul style="list-style-type: none"> <li>• Communications with security or transportation</li> <li>• Notes from meetings with security/transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Registration documentation</li> <li>• Competition results</li> <li>• Social media posts about the competition</li> <li>• Sign-in sheets for events</li> <li>• Agenda for meetings/events</li> <li>• List of invitees for events</li> <li>• Social media posting</li> <li>• School Newsletter</li> </ul>	<ul style="list-style-type: none"> <li>• Sample test questions</li> <li>• Communication regarding CCRIs</li> <li>• CCRI attainment spreadsheet</li> <li>• Documentation provided to students about CCRIs</li> <li>• Certificates earned</li> <li>• Dual enrollment registrations</li> <li>• WorkKeys results</li> <li>• Calculated graduation rate</li> </ul>	<ul style="list-style-type: none"> <li>• Public acknowledgement of exceptional behavior</li> <li>• Positive survey results</li> <li>• Reduced number of major mental health issues</li> </ul>	