# NCTHS Continuous Improvement Plan 2021-2022

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.

### Objectives

- **Professional Growth**
  - Provide professional development that has a direct impact on instruction and meets teacher needs

- **Operations and Resources**
  - Work with other departments to provide a safe and welcoming learning environment
  - Expand opportunities for student growth by increasing educational opportunities

- **Community Connections**
  - Increase community involvement in school activities and programs
  - Increase opportunities for students to participate in competitions outside of school
  - Increase school presence on social media

- **Learning Outcomes**
  - Increase percent of eleventh grade students achieving benchmark on ACT Reading to 59% or higher
  - Increase percent of eleventh grade students achieving benchmark score on ACT Math to 40% or higher
  - Maintain or increase 99 percent of students earning College & Career Readiness Indicator before graduation
  - Maintain federal graduation rate of 95% or higher

- **Whole Student Development**
  - Increase percent of all students who are not chronically absent to 95% or higher
  - Increase PBIS positive referrals by 5% in BLOOM
  - Increase support for the mental health and well-being of students and teachers

- **Technology Plan**
  - Integrate technology resources effectively in classroom instruction
  - Provide digital tools necessary to support learning for all educators and students
  - Provide reliable network access in all classrooms and offices
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<thead>
<tr>
<th>Critical Initiatives</th>
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<tr>
<td>• Participate in training designed to create a positive climate that promotes respect and responsibility and responds to individual differences.</td>
<td>• Communicate in a timely manner to address any potential issues or needs</td>
<td>• Increase communication with parents and community regarding school activities and opportunities for involvement</td>
<td>• Integrate ACT English and Reading prep in classroom instruction</td>
<td>• Follow district guidelines for tracking student attendance and reporting students with excessive absences</td>
<td>• Participate in professional development on research-based strategies designed to increase student achievement through the use of dynamic, interactive lessons that engage students</td>
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<td>• Participate in training reflective of the school’s magnet theme - STEM.</td>
<td>• Provide extended Career Technical opportunities for 11th and 12th grade students</td>
<td>• Increase opportunities for families, businesses and others in the community to participate in school programs and activities.</td>
<td>• Increase support for student learning through tutoring, Problem Solving Team, and peer mentoring.</td>
<td>• Notify parents when students are not participating in class</td>
<td>• Provide all students and teachers access to a comprehensive infrastructure for learning and productivity using digital tools</td>
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<td>• Participate in a Professional Learning Community designed to effectively use data to increase student achievement.</td>
<td>• Utilize community resources effectively to provide support and enrichment for school curriculum and programs</td>
<td>• Encourage student participation in local and national competitions and hackathons</td>
<td>• Integrate ACT Math prep in classroom instruction</td>
<td>• 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</td>
<td>• Provide adequate digital resources for use in all classrooms</td>
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<td>• Develop connections with local businesses that provide students the opportunity to visit, learn from, and work with professionals.</td>
<td>• Educate students regarding significance and importance of CCRI attainment</td>
<td>• Provide grade-appropriate guidance lessons to help students build confidence, motivation, and strong work ethic throughout high school.</td>
<td>• Provide the needed infrastructure and equipment to maintain a reliable network in all areas of the school</td>
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<td>• Share school news and classroom activities on social media</td>
<td>• Provide additional opportunities/avenues for students to earn a College and Career Readiness indicator</td>
<td>• Utilize the school therapist in supporting students with anxiety, depression, or other mental health concerns</td>
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<td>• Establish a school LinkedIn account that will be used to reach potential partners throughout the community</td>
<td>• Work with individual students to ensure all graduation requirements are met</td>
<td>• Incorporate mental health and school survival lessons in advisory on a regular basis</td>
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### Key Measures

- Sign-in sheets
- Agenda for meetings/events
- Positive BLOOM records
- Classroom observation
- Lesson plans
- Communications with other departments
- Notes from meetings with security/transportation
- Registration documentation
- CCRI attainment spreadsheet
- Weekly newsletter
- PTSA and school social media posts
- Flyers advertising events
- Agendas or sign-in sheets for events
- ACT test prep materials
- Sample ACT bell ringers
- Sample ACT test questions
- Sign-in sheets
- PST documentation
- Documentation of absence letters sent to parents
- Copies of referral cards
- Teacher log of parent contact
- Daily attendance record
- Administrator log of parent
- Sign-in sheets
- Classroom observation
- Training agenda/notes
- School technology inventory
- Network connectivity data

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**Strategy Map**

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<thead>
<tr>
<th>Key Measures</th>
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<tbody>
<tr>
<td>• Certificates earned</td>
<td>• Social media posting</td>
<td>• Tutoring documentation</td>
<td>• Help desk records</td>
<td>• Certificates earned</td>
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<tr>
<td>• Weekly newsletter</td>
<td>• Registration documentation</td>
<td>• Communication regarding CCRIs</td>
<td>• Work order records</td>
<td>• Student grades</td>
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<tr>
<td>• PTSA and school social media posts</td>
<td>• Competition results</td>
<td>• CCRI attainment spreadsheet</td>
<td>• Network speed</td>
<td>• Course catalog</td>
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<tr>
<td>• Sign-in sheets</td>
<td>• Agenda for meetings/events</td>
<td>• Certificates earned</td>
<td>• Network uptime</td>
<td>• State testing results</td>
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<tr>
<td>• List of invitees for events</td>
<td>• School Newsletter</td>
<td>• Dual enrollment approval forms</td>
<td>• Technology inventory</td>
<td>• Student grades</td>
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<td>• WorkKeys results</td>
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<td>• State testing results</td>
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<td>• Calculated graduation rate</td>
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<td>• Student attendance records</td>
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<td>• Student grades</td>
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