

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.

Professional Growth

Objectives

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

Operations and Resources

Objectives

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

Community Connections

Objectives

- 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

Objectives

- 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

Objectives

- 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

Objectives

- 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

Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives	Critical Initiatives
<ul style="list-style-type: none"> Participate in training designed to create a positive climate that promotes respect and responsibility and responds to individual differences. Participate in training reflective of the school's magnet theme - STEM. Participate in a Professional Learning Community designed to effectively use data to increase student achievement. 	<ul style="list-style-type: none"> Communicate in a timely manner to address any potential issues or needs Provide extended Career Technical opportunities for 11th and 12th grade students Utilize community resources effectively to provide support and enrichment for school curriculum and programs 	<ul style="list-style-type: none"> Increase communication with parents and community regarding school activities and opportunities for involvement Increase opportunities for families, businesses and others in the community to participate in school programs and activities. Encourage student participation in local and national competitions and hackathons Develop connections with local businesses that provide students the opportunity to visit, learn from, and work with professionals. Share school news and classroom activities on social media Establish a school LinkedIn account that will be used to reach potential partners throughout the community 	<ul style="list-style-type: none"> Integrate ACT English and Reading prep in classroom instruction Increase support for student learning through tutoring, Problem Solving Team, and peer mentoring. Integrate ACT Math prep in classroom instruction Increase support for student learning through tutoring, Problem Solving Team, and peer mentoring. Educate students regarding significance and importance of CCRI attainment Provide additional opportunities/avenues for students to earn a College and Career Readiness indicator Work with individual students to ensure all graduation requirements are met Offer tutoring during and outside of school hours to help students learn, retain, and apply course content 	<ul style="list-style-type: none"> Follow district guidelines for tracking student attendance and reporting students with excessive absences Notify parents when students are not participating in class 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 Provide grade-appropriate guidance lessons to help students build confidence, motivation, and strong work ethic throughout high school. Utilize the school therapist in supporting students with anxiety, depression, or other mental health concerns Incorporate mental health and school survival lessons in advisory on a regular basis 	<ul style="list-style-type: none"> Participate in professional development on research-based strategies designed to increase student achievement through the use of dynamic, interactive lessons that engage students Provide all students and teachers access to a comprehensive infrastructure for learning and productivity using digital tools Provide adequate digital resources for use in all classrooms Provide the needed infrastructure and equipment to maintain a reliable network in all areas of the school

Key Measures	Key Measures	Key Measures	Key Measures	Key Measures	Key Measures
<ul style="list-style-type: none"> Sign-in sheets Agenda for meetings/events Positive BLOOM records Classroom observation Lesson plans 	<ul style="list-style-type: none"> Communications with other departments Notes from meetings with security/transportation Registration documentation CCRI attainment spreadsheet 	<ul style="list-style-type: none"> Weekly newsletter PTSA and school social media posts Flyers advertising events Agendas or sign-in sheets for events 	<ul style="list-style-type: none"> ACT test prep materials Sample ACT bell ringers Sample ACT test questions Sign-in sheets PST documentation 	<ul style="list-style-type: none"> Documentation of absence letters sent to parents Copies of referral cards Teacher log of parent contact Daily attendance record Administrator log of parent 	<ul style="list-style-type: none"> Sign-in sheets Classroom observation Training agenda/notes School technology inventory Network connectivity data

Key Measures	Key Measures	Key Measures	Key Measures	Key Measures	Key Measures
	<ul style="list-style-type: none"> • Certificates earned • Weekly newsletter • PTSA and school social media posts • Student grades • Course catalog 	<ul style="list-style-type: none"> • Social media posting • Registration documentation • Competition results • Sign-in sheets • Agenda for meetings/events • List of invitees for events • School Newsletter 	<ul style="list-style-type: none"> • Tutoring documentation • Communication regarding CCRIs • CCRI attainment spreadsheet • Certificates earned • Dual enrollment approval forms • WorkKeys results • Calculated graduation rate • State testing results • Student grades 	<ul style="list-style-type: none"> • contact • Positive BLOOM records • Public acknowledgement of exceptional behavior • Positive survey results • Reduced number of major mental health issues • Student attendance records 	<ul style="list-style-type: none"> • Help desk records • Work order records • Network speed • Network uptime • Technology inventory