



# Reflecting on 21<sup>st</sup> Century Skills

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# What are 21<sup>st</sup> Century Skills?

- Locally decided
- Aligned to district vision mission
- Profile of a Graduate
- Often referred to as the 4Cs or Essential Skills
- Element of Choice Ready Framework



# NORTH DAKOTA CHOICE READY

The North Dakota **CHOICE READY** framework is a tool to assist educators to ensure all students successfully depart high school possessing the **ESSENTIAL SKILLS** necessary to be ready for life. The journey begins by ensuring students leave having the **ESSENTIAL SKILLS** to be successful for whichever path they choose. Students shall then strive to be **POST-SECONDARY READY, WORKFORCE READY, and/or MILITARY READY.**



## ESSENTIAL SKILLS

Earn a **North Dakota high school diploma**

Complete a **9-week Career Education Course/Individual Counseling (15.1-21-18)**, **Financial Literacy (15.1-21-21)**, and pass **ND Civics Test (15.1-21-27)** and **four or more** additional indicators:



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- 25 hours of Community Service
- 95% Attendance (not counting school related absences)
- Career Exploration Experience
- Two or more years in organized Co-Curricular Activities
- Two or more years in organized Extra-Curricular Activities
- Successfully complete a Capstone Project
- Successfully complete an on-line learning course
- Demonstrate competency in 21st Century Skills

ACT Science—23

or

**Two or more** additional indicators:

- Advanced Placement Course (A, B or C) (1, 2, or 3)
- Dual Credit Course (English or Math) (A, B or C) or (1, 2, or 3)
- Algebra II (A, B or C) or (1, 2, or 3)
- Advanced Placement Exam (3+)
- International Baccalaureate Exam (4+)
- 3.0 GPA in core course requirement for NDUS admission
- CLEM/CREAM (Eng./Math) Course (70% or greater)

- Technical Assessment / Industry Credential
- Workplace Learning Experience (40 hrs.)
- Work-based Learning Experience (Perkins V) (40 hrs.)
- CLEM/CREAM (Eng./Math) Course (70% or greater)
- NDSA (Reading/Math) Level 3 or greater or (ACT for Accountability: English 19/Mathematics 22)

Complete **two or more** additional indicators from the **Post-Secondary** or **Workforce** options.

## COMMUNICATION

Sharing thoughts, questions,  
ideas and solutions

## CRITICAL THINKING

Looking at problems in a new  
way and linking learning across  
subjects disciplines



## COLLABORATION

Working together to reach a goal.  
Putting in talent, expertise, and  
smarts to work

## CREATIVITY

Trying new approaches to get  
things done equals innovation  
and invention

For today...4 Cs |

# But Why?

A focus on Communication, Creativity, Critical Thinking, and Collaboration is essential when preparing students for a Choice Ready future.

These are essential for our increasingly complex life and work environments within and outside of school.




*PK-12 Education  
Strategic Vision Framework*

**Our vision is that all students will graduate choice ready with the knowledge, skills and disposition to be successful**

# Statewide Accountability

- North Dakota students cannot be Choice Ready unless the Essential Skills section is met.



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- Currently, only 52% of our ND students are proficient in the Essential Skills section.

Choice Ready Summary Data 2018-2019 School Year

	Total Students	Total Passed	% Passed
Essential Skills	7411	3889	52%
Post-Secondary Skills	7411	3301	45%
Workforce Ready	7411	3888	52%
Military Ready	7411	1576	21%
Choice Ready	7411	2361	32%

Meeting the 21<sup>st</sup> Century Skills component would count as one of the four options for Essential Skills.

# Does your school or district define 21<sup>st</sup> Century Skills?

Let's do a [Poll](#)

Select the link in the chat OR  
Scan the QR code with your  
camera

A smartphone screen displays a poll form. At the top, there is a blue header with a title and four colored icons (red, orange, blue, green). Below the header, the text reads: "Hi Ann, when you submit this form, the owner will be able to see your name and email address." The main question is "1. Does your school or district define 21st Century Skills?". There are three radio button options: "Yes", "No", and "Unsure". At the bottom of the form is a blue "Submit" button.

What are 21st Century Skills? These 4 C's:

- C Creativity
- C Critical Thinking
- C Communication
- C Collaboration

Hi Ann, when you submit this form, the owner will be able to see your name and email address.

1. Does your school or district define 21st Century Skills?

Yes

No

Unsure

Submit

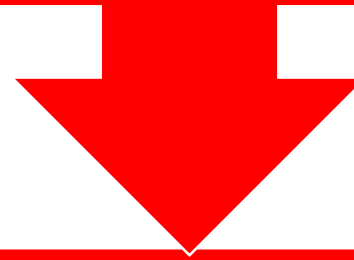
# POLL RESULTS





Let's walk through  
each C  
in more detail

Communication is expressing though clearly, crisply articulating opinions, explaining cohort instructions, and motivating others through powerful speech.



# Communication

**Students must:**

**Communicate using digital media and environments to support personal and group learning**

**Share information efficiently and effectively using appropriate digital media and environments**

**Communicate through and ideas clearly and effectively to different audiences using various media and formats**

Collaboration occurs when two or more people work together to accomplish a shared, common goal

Collaboration

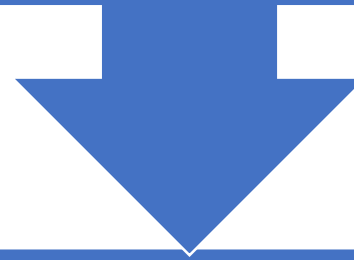
Students must:

Work effectively with different groups of people, include those from diverse cultures and perspectives

Be flexible and willing to compromise with team members to reach a common goal

Demonstrate responsibility as a team member working toward a shared goal

Critical thinking involves logical thinking and reasoning including skills such as comparison, classification, sequencing, cause/effect, patterning, webbing, analogies, deductive/inductive reasoning, forecasting, planning, hypnotizing and critiquing



# Critical Thinking

Students must:

Use different types of reasoning to understand a situation

Analyze complex systems and understand how their interconnected parts support the system

Gather relevant information

Ask important questions that clarify points of view and help solve problems

Make decisions by selecting appropriate criterion and identifying alternatives making reliable choices

Creativity is the ability to produce new, diverse, and unique ideas through looking at things from different perspectives and unbound by rules, customs or norms.



Creativity

Students must:

Use a wide range of idea creation techniques

Create new and worthwhile ideas

Elaborate, refine, analyze and evaluate their own ideas in order to improve and maximize creative efforts

Act on creative ideas to make tangible and useful contributions

During the last 9 months, which C have you had to personally embrace? In what ways?



Keeping your experiences in mind, how can your students demonstrate the 4Cs in new ways?

Select link in chat – OR – Scan QR code with your camera.

[Padlet](#) Activity



# PADLET RESULTS

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# North Dakota Resources

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# ND CTE Career Ready Practices

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- Assessment tools for teachers, mentors, business partners to use with students
- Skill specific
- Provide common language and understanding of "Career Readiness"

The logo for North Dakota Career and Technical Education (CTE) features the text "North Dakota" in a serif font at the top, "cte" in a large, bold, lowercase serif font in the center, and "Career and Technical Education" in a smaller serif font at the bottom. The text is enclosed within a blue, stylized circular graphic that resembles a thick, curved line.

North Dakota  
cte  
Career and Technical  
Education

## 21<sup>st</sup> Century Skills/4Cs Rubric

A tool for use to document 4Cs proficiency with the Essential Skills element of the Choice Ready framework

# NDDPI 21<sup>st</sup> Century Skills/4Cs Rubric

COMMUNICATION	Score: 4-3-2-1
Communicating well	
Communicating through presentation	
Communicating new ideas	
Timely listening/speaking	
Listening well	
Communicating w/ tech.	
Communicating through written form	
Sub-Score	
<i>Divide By:</i>	7
<b>SCORE</b>	

CREATIVITY	Score: 4-3-2-1
Creating ideas	
Researching ideas	
Reflecting on ideas	
Originality	
Applying ideas	
Working by self-direction	
Innovation thru diversity	
Sub-Score	
<i>Divide By:</i>	7
<b>SCORE</b>	

PROBLEM SOLVING (CRITICAL THINKING)	Score: 4-3-2-1
Reasoning skills	
Using information	
Understanding the system	
Asking to understand	
Using multiple techniques	
Using feedback	
Learning from the past	
Learning from mistakes and success	
Seeking solutions	
Sub-Score	
<i>Divide By:</i>	9
<b>SCORE</b>	

TEAMWORK (COLLABORATION)	Score: 4-3-2-1
Engaging actively and respectfully	
Respecting other ideas	
Listening well	
Sharing and supporting	
Open to compromise	
Participating	
Balancing all views	
Understanding culture	
Understanding the larger community	
Sub-Score	
<i>Divide By:</i>	9
<b>SCORE</b>	

Individual's Name:  
\_\_\_\_\_

Total of all Scores=	
Divide by:	4
<b>Total Score=</b>	

Score Key:
4=Exceeds Competency
3=Meets Competency
2=Approaching Competency
1=Not Yet Reached Competency

# SEL Pathways

- Provide North Dakota schools a framework to guide quality explicit instruction of social and emotional learning skills
- Compliment the 4Cs in a variety of ways





# Questions

Please post in chat or unmute

The image features a dynamic and colorful background of paint splatters. The colors transition from purple and blue on the left, through green and yellow in the center, to red and orange on the right. The splatters are of various sizes and densities, creating a textured, energetic feel. In the center of this colorful display, the words "Thank You!" are written in a clean, white, sans-serif font. The text is centered both horizontally and vertically, standing out clearly against the busy, multi-colored background.

Thank You!