

Twenty-One Trends for the 21st Century



Moorhead Area Public Schools
Curriculum Leaders of Minnesota (CLM)
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Demographic Sphere

- **Generations: Millennials will insist on solutions to accumulated problems and injustices and will profoundly impact leadership and lifestyles.**

Gls, Silents, Boomers, Xers → Millennials, Generation E

- **Diversity: In a series of tipping points, majorities will become minorities, creating ongoing challenges for social cohesion.**

Majority/Minority → Minority/Minority Diversity = Division ↔ Diversity = Enrichment Exclusion ↔ Inclusion (Worldwide: Growing numbers of people and nations will discover that if we manage our diversity well, it will enrich us. If we don't manage our diversity well, it will divide us.)

- **Aging: In developed nations, the old will generally outnumber the young. In developing or less-developed nations, the young will generally outnumber the old.**

Younger → Older Older → Younger

Technology Sphere

- **Technology: Ubiquitous, interactive technologies will shape how we live, how we learn, how we see ourselves, and how we relate to the world.**
Macro → Micro → Nano → Subatomic Atoms → Bits Megabytes → Gigabytes → Terabytes → Petabytes → Exabytes → Zettabytes (ZB)
- **Identity and Privacy: Identity and privacy issues will lead to an array of new and often urgent concerns and a demand that they be resolved.**
Knowing Who You Are ↔ Discovering Who Someone Thinks You Are. What's Private? ↔ What's Not?

Economic Sphere

- **Economy:** An economy for a new era will demand restoration and reinvention of physical, social, technological, educational, and policy infrastructure.

Industrial Age Mentality → Global Knowledge/Information Age Reality Social and Intellectual Capital → 21st Century Products and Services

- **Jobs and Careers:** Pressure will grow for society to prepare people for jobs and careers that may not currently exist.

Career Preparation ↔ Employability and Career Adaptability

Energy and Environmental Sphere

- **Energy:** The need to develop new sources of affordable and accessible energy will lead to intensified scientific invention and political tension.
Energy Affordability, Accessibility, Efficiency ↔ Invention, Investment, and Political Tension.
- **Environmental/Planetary Security:** Common opportunities and threats will intensify a worldwide demand for planetary security.
Personal Security/Self Interest ↔ Planetary Security, Common Threats ↔ Common Opportunities
- **Sustainability:** Sustainability will depend on adaptability and resilience in a fast-changing, at-risk world.
Short-Term Advantage ↔ Long-Term Survival Wants of the Present ↔ Needs in the Future

International/Global Sphere

- **International/Global: International learning, including relationships, cultural understanding, languages, and diplomatic skills, will become basic.**

Isolationist Independence ↔ Interdependence

(Sub-trend: To earn respect in an interdependent world, nations will be expected to demonstrate their reliability and tolerance.)

Education and Learning Sphere

- **Personalization:** In a world of diverse talents and aspirations, we will increasingly discover and accept that one size does not fit all.
Standardization → Personalization
- **Ingenuity:** Releasing ingenuity and stimulating creativity will become primary responsibilities of education and society.
Information Acquisition → Knowledge Creation and Breakthrough Thinking
- **Depth, Breadth, and Purposes of Education:** The breadth, depth, and purposes of education will constantly be clarified to meet the needs of a fast-changing world.
Narrowness → Breadth and Depth

Public and Personal Leadership Sphere

- **Polarization:** Polarization and narrowness will, of necessity, bend toward reasoned discussion, evidence, and consideration of varying points of view.
Narrowness ↔ Open Mindedness Self Interest ↔ Common Good
- **Authority:** A spotlight will fall on how people gain authority and use it.
Absolute Authority → Collaboration Vertical ↔ Horizontal Power to Impose ↔ Power to Engage
- **Ethics:** Scientific discoveries and societal realities will force widespread ethical choices.
Pragmatic/Expedient → Ethical
- **Continuous Improvement:** The status quo will yield to continuous improvement and reasoned progress.
Quick Fixes/Status Quo → Continuous Improvement

Well-Being Sphere

- **Poverty:** Understanding will grow that sustained poverty is expensive, debilitating, and unsettling.

Sustained Poverty ↔ Opportunity and Hope

- **Scarcity vs. Abundance:** Scarcity will help us rethink our view of abundance.

Less ↔ More What's Missing? ↔ What's Possible?

- **Personal Meaning and Work-Life Balance:** More of us will seek personal meaning in our lives in response to an intense, high tech, always on, fast-moving society.

Personal Accomplishment ↔ Personal Meaning

21 Trends

What do you see as the most pressing trend that affects the education of our students?

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Executive Director of Human Resources

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Assistant Superintendent Finance and Operations

Dan Markert

Executive Director of Information Support Systems

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- Executive Director of Learner Support Services

Strategic Priorities

21st Century Schools:

Establish a culture of learning that supports the needs of the 21st century learner and develops the whole student to thrive in a changing world.

Strategic Priorities

School and Community:

Build comprehensive and responsive communication systems and partnerships with community stakeholders to promote and advance quality education for all learners.

Strategic Priorities

Equitable Educational Opportunities:

Provide equitable educational opportunities to all students to eliminate race and socioeconomic indicators as predictors of student success.

Strategic Priorities

Facilities:

Provide equitable education facilities and financial resources for technological tools and the infrastructure needed across the district to meet the needs of students, families and communities.

Strategic Priorities

Mental Health / Character Development:

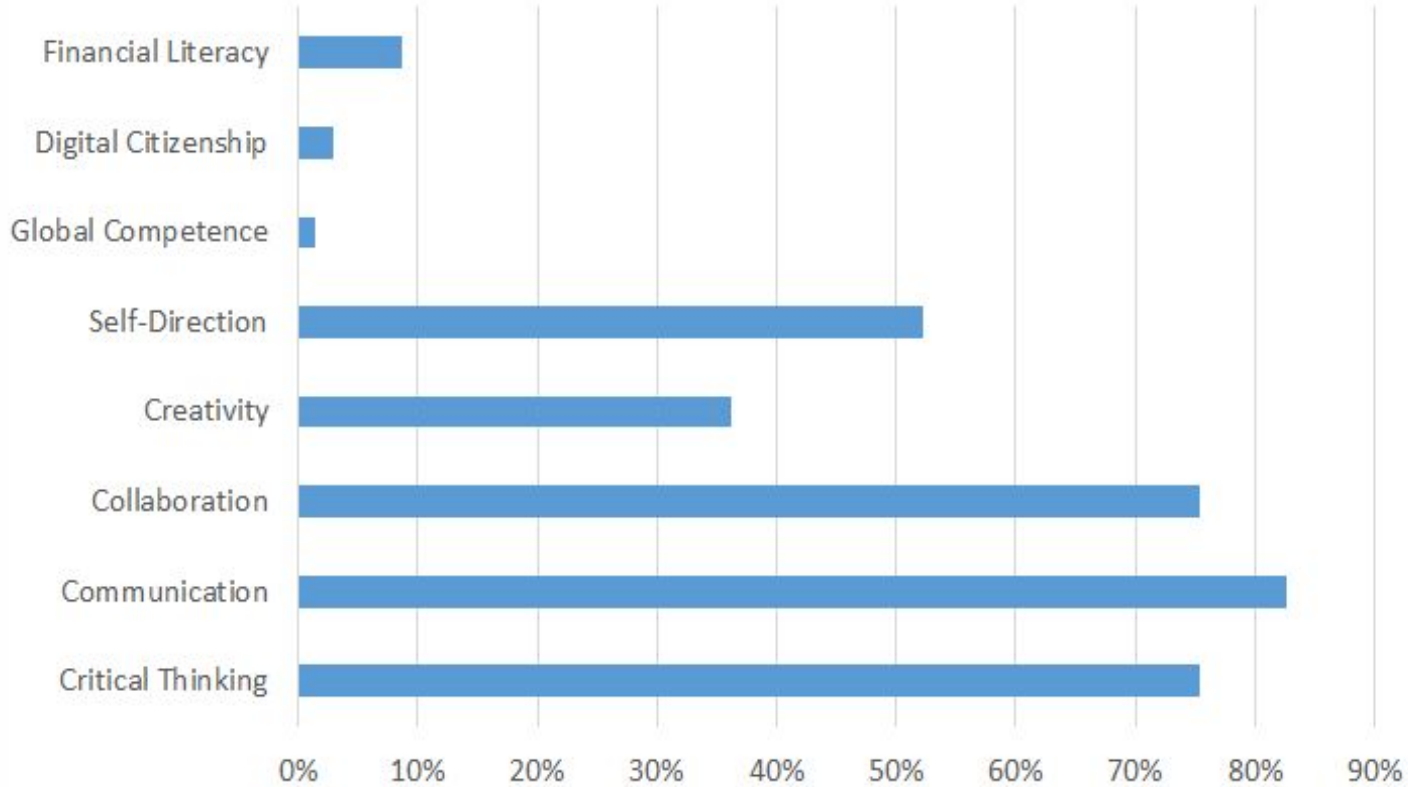
Create a safe, caring and welcoming environment for all students, where the unique qualities and diversity of students are recognized and respected.

Strategic Priorities

Human Resources:

Provide processes for the quality, effectiveness and continuity of staff through the use of comprehensive recruitment, professional development, supervision and evaluation.

21st Century Vision Administrators

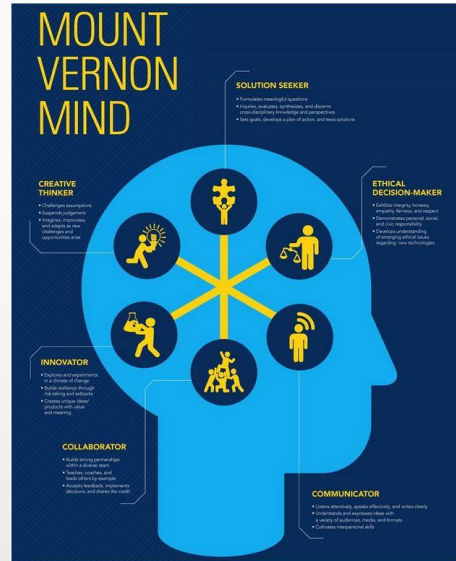
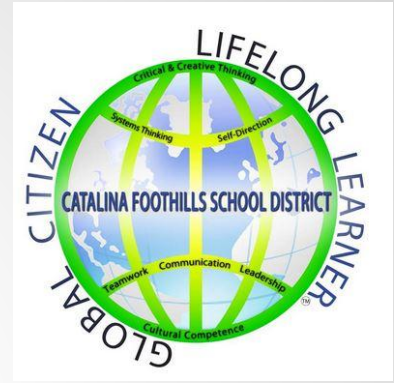


Other:

GRIT/Tenacity
Content
Cultural Competence
Citizenship
Flexible & Adaptable

Some of Our Posters from the Metro Admin!

[Link to Metro 4Cs Vision Posters from Admin](#)



Katherine Smith School DESIGNED FOR THE 21ST CENTURY LEARNER

Think
critically. Ask questions and use evidence to describe and support claims. Be flexible and innovative to design solutions to complex problems. Reflect and critique ideas.

Learn
continuously. Develop strong foundational skills to master significant content. Make mistakes. Build on knowledge and apply to new situations.

Work
intentionally. Be persistent and self-directed. Manage impulsivity and set goals. Strive for accuracy and apply effort to continuously improve. Take risks and create beautiful work.

Communicate
effectively. Speak and write with clarity. Listen actively. Know your audience, understand the purpose, and choose precise language. If appropriate, incorporate media to enhance ideas.

Collaborate
constructively. Take responsibility for yourself and your team. Listen with empathy and understanding with a commitment to shared success. Give and receive feedback.

Contribute
globally. Apply your work to real world situations to serve an authentic purpose. Be empowered to make a difference. Recognize your place in the community.

21st Century Skills

Metro 4Cs Rubric Performance Areas



Critical Thinking

- Information & Discovery
- Interpretation & Analysis
- Reasoning
- Constructing Arguments
- Problem Solving
- Systems Thinking

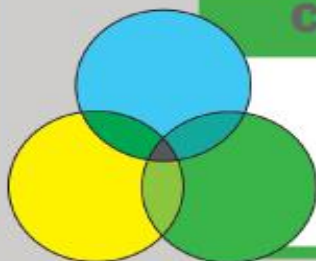


Communication

- Effective Listening
- Delivering Oral Presentations
- Communicate Using Digital Media
- Engaging in Conversations & Discussions
- Communicating in Diverse Environments

Writing to:

- Inform
- Support an Argument With Claims
- Engage and Entertain



Collaboration

- Leadership & Initiative
- Cooperation
- Flexibility
- Responsibility & Productivity
- Collaborate Using Digital Media
- Responsiveness & Constructive Feedback



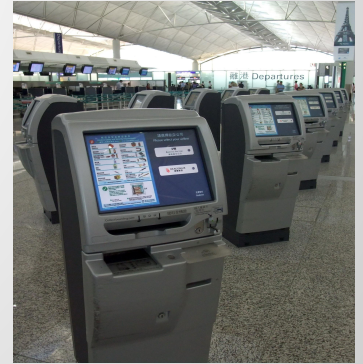
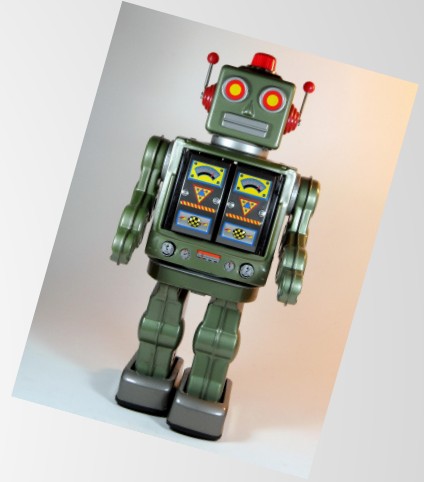
Creativity

- Idea Generation
- Idea Design & Refinement
- Openness & Courage to Explore
- Work Creatively with Others
- Creative Production & Innovation

Adjusting Before We Are Adjusted

[Humans Need Not Apply](https://youtu.be/7Pq-S557XQU)

<https://youtu.be/7Pq-S557XQU>



ME

“Education that Works” Video



ME

Revisiting the Purposes of Education

Why do we educate people? As we consider the need for higher ground and a new paradigm, let's imagine that each discipline or subject doesn't stand alone but contributes to higher purposes. Here are a few for consideration:

- Creating good citizens.
- Enhancing employability.
- Helping students live interesting lives.
- Releasing ingenuity that is already there.
- Stimulating imagination, creativity and inventiveness.

Next Steps

Designing Moorhead High School's 21st Century Academic and Instructional Program

The task force will participate in an environmental scan and data-gathering activities, develop a strategic framework (beliefs, vision, "Portrait of a Moorhead High School Graduate") and reach consensus on a set of guiding principles in the areas of academic program, instruction, technology and facilities necessary to support the identified strategic framework. Selection will be determined by the core planning committee. This volunteer task force will begin meeting in December 2016 and complete work in May 2018 with meetings being determined by the committee.