

Ed Visioning Group

WORKSHOP ONE

June 16, 2023



MANCHESTER SCHOOL DISTRICT



ENVISIONING
THE MSD
MASTER PLAN



SMMA



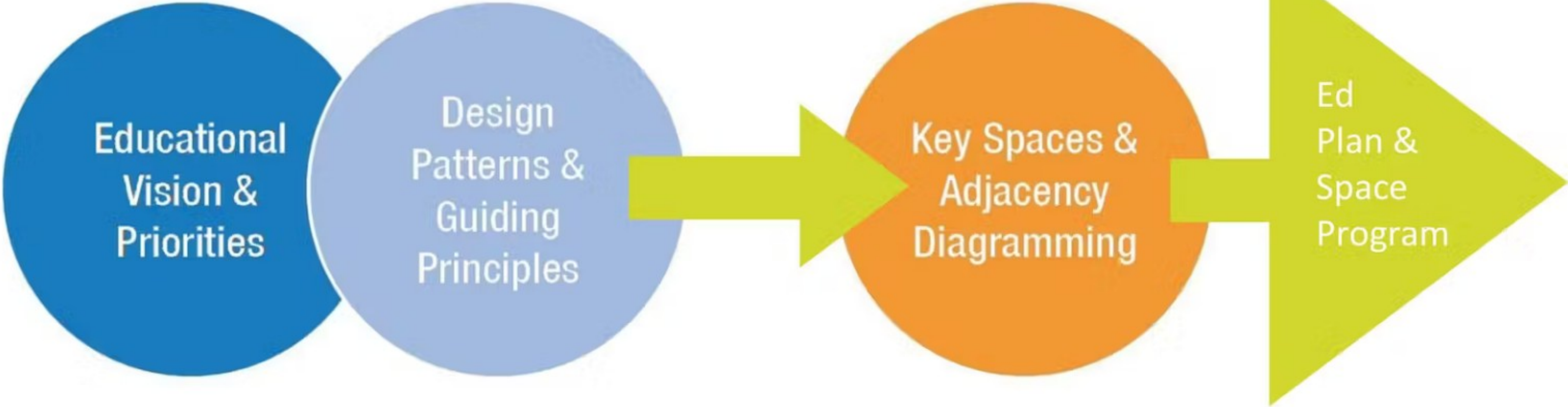
Agenda



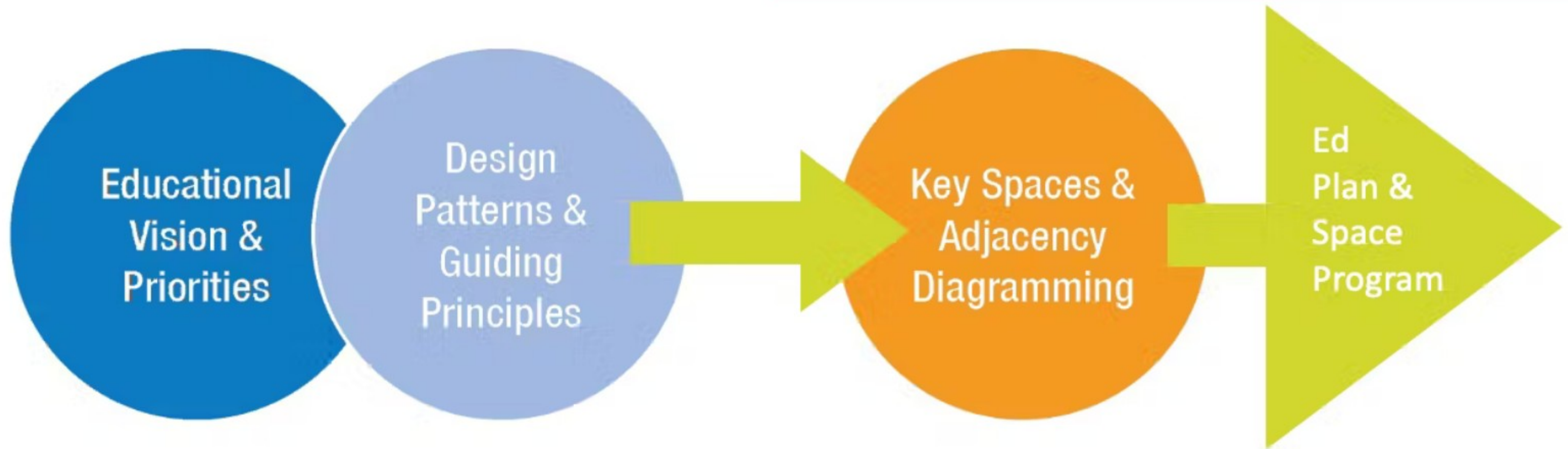
MANCHESTER SCHOOL DISTRICT

1. Visioning Overview and *Introductions* (20 min)
 2. Priority Goal Setting *Activity* (25 min)
 3. Future Ready Teaching and Learning *Interactive Presentation* (35 min)
- 15 Minute BREAK
4. MSD Graduate Profile Implications *Small Group Activity* (45 min)
 5. Design Patterns for Future Ready Schools *Interactive Presentation* (40 min)

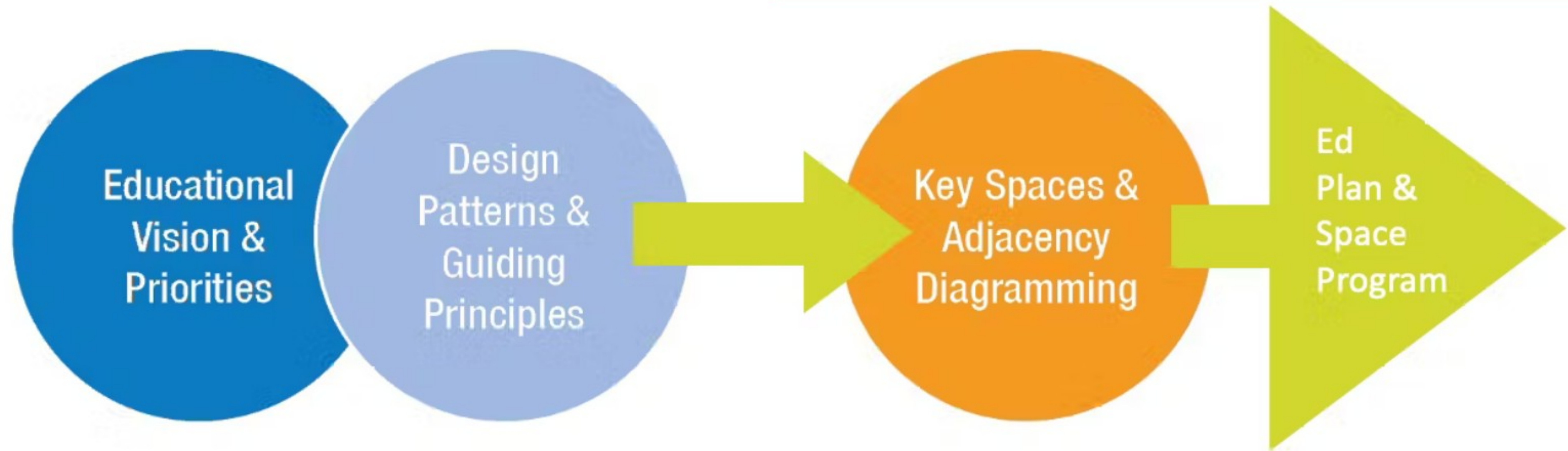
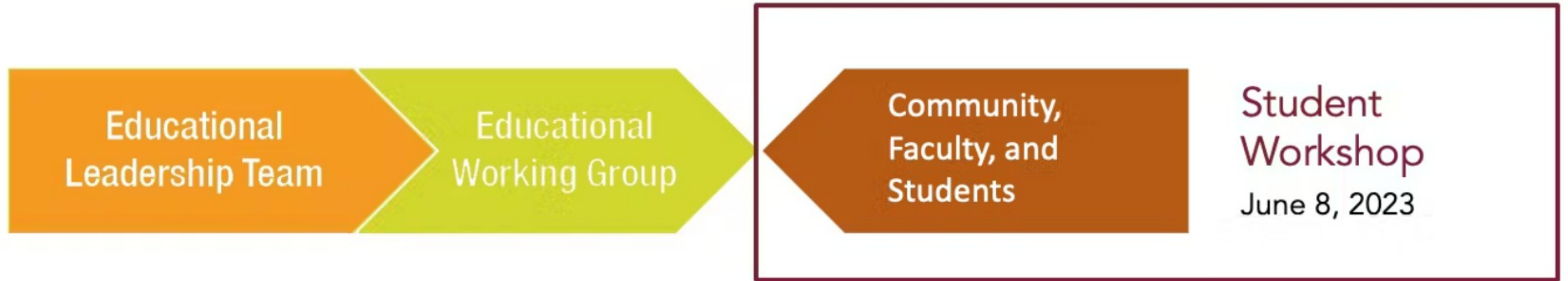
The Visioning Process



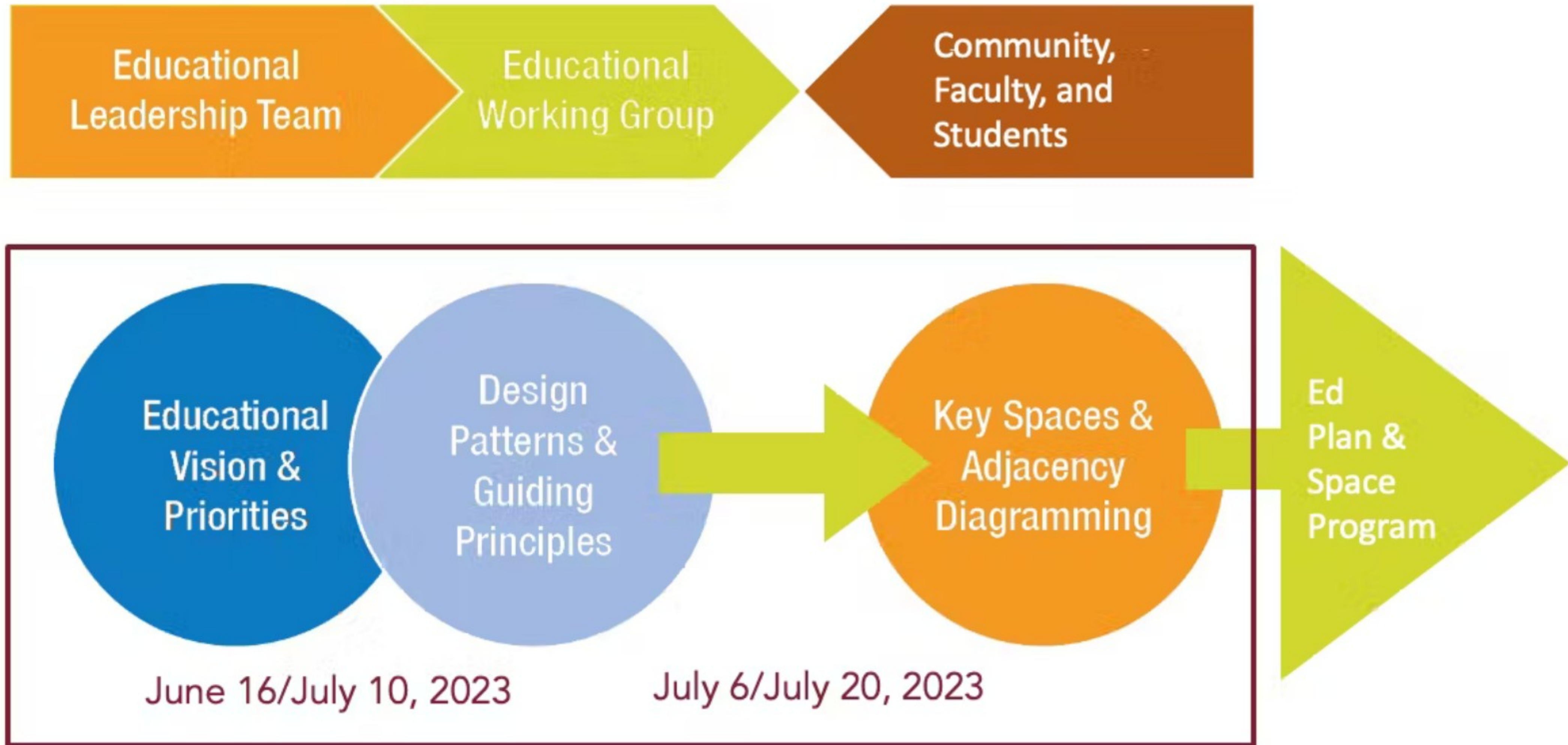
The Visioning Process



The Visioning Process



The Visioning Process — Visioning Group



In Person and Virtual Workshops

Community Questionnaire and Videos

Go to www.menti.com and use the code 58 74 04

What strikes you? Is anything missing?

Collaboration, communication, and creativity are very important.	Social emotional learning is well described. Inquiry-based learning should be a focus	We don't mention the cultivation of reading skills.
Shows value of whole student	I liked how high up SEL is. I wonder how a building's design supports that.	It is a great list! Would "inclusivity" be under one of these?
I like that there is a balance of emphasis on global awareness and responsibility as developing the individual person.	It's a comprehensive list.	Great start. I wonder if there should be More focus on math and science. Especially with potential of new labs and spaces.
	Good overview of what we value.	

Press ENTER to move word

Go to www.menti.com and use the code 58 74 04

Design Pattern World Cloud

Go to www.menti.com and use the code 26 91 47

What modes of teaching and learning do you use most frequently?

Top 4 Priorities

- Available sinks for hand-washing
- Shop or Maker space (tech, cooking, etc.)
- Layout of school should be organized with purpose
 - Louder spaces should be more isolated
 - Organize wings by teams or departments
- Large Gymnasium needed to provide a safe, competitive space for large classes
 - Gymnasium should have dividers that can provide flexibility
 - Indoor Track and Fitness Center for Students, Staff and Community
 - Locker rooms that are designed to emphasize privacy, safety and supervision

Community Related Priorities

- Easy access to the building for all ages & Universal Design

Virtual Visioning

- Shorter Workshops
- Highly Interactive
- Breakout Groups Discussions
- Chat Function Feedback
- Google Docs Info Collection
- Interactive Software for Real-Time feedback



Study Focus

- MSD Long Term Goals
- Elements of Future Ready Teaching and Learning
- Approaches to 21st Century School Design
- Evaluation of MSD's Current School Buildings
- MSD Future Facility Needs
 - *Renovation*
 - *Renovation Addition*
 - *New Construction*

Developing a Narrative

- Educational vision as connected to design priorities and goals
- Desired spaces and adjacencies
- Optimization of existing, renovated, and new facilities
- Connections to Community Plan and Strategic Plan



Brainstorming Rules

- Go for Quantity
- Encourage Wild Ideas
- Defer Judgment
- Build on the Ideas of Others
- One Conversation at a Time
- Stay Focused on the Topic
- Be Visual

Use everyone's
TEN+ TOOLS we always have

Which new one will you use today? Which will you enable in others?



↑more, combinations of these, things that connect us to other people and their tools, etc.

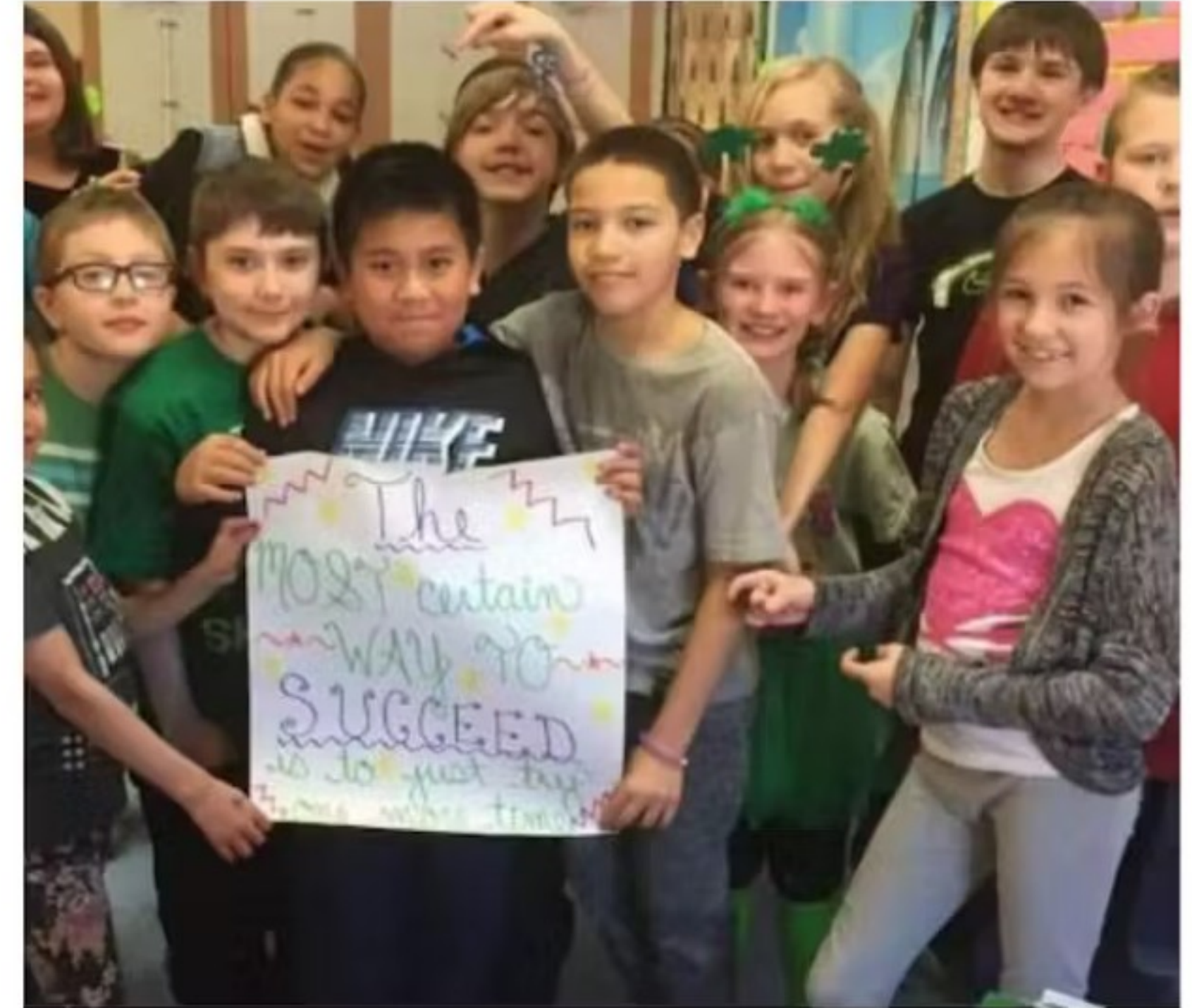
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Building Upon

- MSD Policies
- School Goals
- Community Plan: Vetting Process and Goals, and building buy in and excitement
- Other Sources?

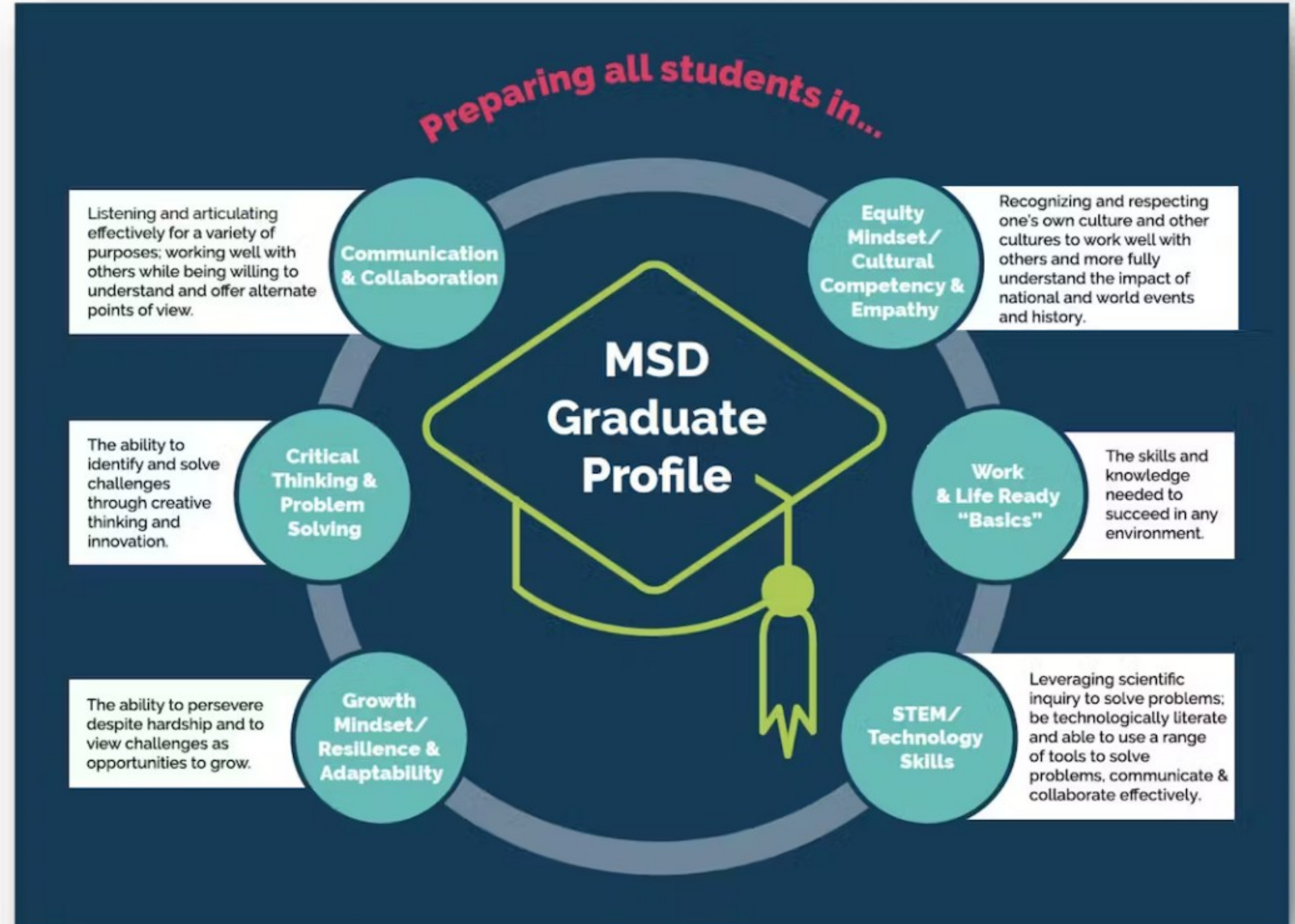


Community Plan

OUR COMMUNITY'S PLAN FOR MANCHESTER'S FUTURE OF LEARNING: Excellence and Equity for all Learners

February 20, 2020

manchester
championing student success.



Who We Are

- Administrators
- Teachers
- Parents
- Community Members
- School Committee Members
- School Building Committee Members
- Community Partners
- Town Officials

Instructions



Please share 3 qualities that you most appreciate about MSD schools.





MANCHESTER SCHOOL DISTRICT

Priorities

Educational, Architectural, and Community

Any renovated or new schools will have...

- ADA Compliance
- Safe Entry and Security Features
- Thermal Comfort (Heating and Cooling)
- Modern Technology and Furniture
- Well-Sized Classrooms
with Natural Light



Any renovated or new schools will also have...

- Indoor/Outdoor Connectivity
- Push-In Special Ed (Breakout Rooms)
- Safe Drop-Off and Pick-Up
- Sustainable Building Features
- Adequate Number of Distributed Bathrooms and Gender-Neutral Bathrooms



This is an Opportunity to...

- Reflect on your district and school agenda and needs
- Push your thinking about what is possible
- Envision an approach to facility use and design that will position you for decades to come
- Be practical and forward thinking...

Be ASPRATIONAL in your thinking!

Compromises will need to be made

Overarching Themes

- Use every square inch of the building
- Create flexible and multi-use spaces
- Extend learning beyond classroom walls
- Build synergy and connectivity between varied spaces
- Define learning clusters and communities



Overarching Themes

- Provide agile and multi-purpose classrooms
- Provide venues for hands-on learning
- Support community use and access
- Foster community connections



Educational Priorities – Highlights so Far

- Equity and Inclusion
- Differentiated Instruction
- Wrap Around Supports
- Whole Child Approach/Varied Programming
- Culturally Informed Content
- Mastery of Core Academics
- English Language Learning
- Problem- and Inquiry-Based Learning
- Collaborative Learning
- Community and Family Engagement
- Attracting and Maintaining Good Teachers
- Health and Wellness
- Outdoor Learning
- Seamless Technology Integration



What are your top EDUCATIONAL PRIORITIES for MSD schools?

35

Answers

Project-Based

Community Equity / Teacher
Retention

Student-Centered

Whole child

Family & community engagement

Project-based

Conversion to competency based
instruction.

Inclusion

Time and space for educators to
collaborate.

What are your top EDUCATIONAL PRIORITIES for MSD schools?

35 Answers

Student Choice/Voice

Have a SEL room and more AEDs.

Wrap around student support

Student Centered

Health and well-being of students-
early identification and intervention

Restorative Justice

Safe special education spaces. Play
based pre K and K

Individualized

Agency-encouraging

What are your top EDUCATIONAL PRIORITIES for MSD schools?

35 Answers

Maintain and hire effective teachers

Integration of various populations

Restorative Justice

Multi-Model Instruction

Parent meeting spaces

Have an assigned meeting room for wraparound team, etc.

Access to community partners

Cross grade interactions

Whole person focused

What are your top EDUCATIONAL PRIORITIES for MSD schools?

35

Answers

Experience learning anywhere

Arts emphasis

Integration of
Elementary/Middle/High School
spaces.

CTE and STEM rooms for improved
learning and virtual field trips

Student goal setting

Team teaching

Early education

True middle schools

Architectural Priorities – Highlights so Far

- Transforming MSD Learning Spaces
- Dynamic and Flexible Spaces
- Equity of Space
- Welcome and Warmth
- Safety and Security
- Good Daylight
- Seamless Technology
- Meeting and Gathering Spaces
- Health and Wellness
- Sustainability
- Good Wayfinding
- Good Storage
- Gathering Hubs
- Ease of Maintenance
- Visual and Performing Arts Spaces
- Science Labs
- Outdoor Connections and Learning
- Gardens and Greenhouses

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

Space for adult learners

Separate cafeterias and gyms

Community access to facilities

Great space for student learning/needs

Safety

Opportunities for serendipitous engagement

Nurses offices that allow for space and privacy for screenings, procedures, and assessments

Inclusionary

Spaces with access to technology.

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

functional flexibility

ADA compliant

Flexible space and student accommodations

Space for community and students to gather together in non-threatening ways

visual arts spaces with natural light

Floor plan that allows for rapid emergency response

Space for special education spaces connected to regular classroom spaces

Walk and transit access

Should fit into the community seamlessly

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

Spaces for VR for virtual field trips.

Office spaces and small meeting availability

Green technology

Housing

Updated cafeteria/menus

Offices with space for adults and the children they work with

Easy to clean and disinfect

Adequate and functional bathrooms

Environmentally responsible

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

Larger Classrooms to allow Workshop
Models and Coteaching

Character that instills pride

eSports capable rooms

Wires and plumbing in walls

Building should look and feel like they are
built with kids in mind

Confidential meeting space

PA systems that work in every space

Adequate safety features in labs, both
science and arts labs

Easy access for nurse to respond in medical
emergencies

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

Solar energy utility

Appropriate for very young learners

Adapt to the needs of the neighborhood.
More capacity where the city is population
dense.

Allows for flow inside and traffic flow
outside

Fire alarm system that takes into account
epileptic students

Solar power

Meeting areas

Heating and cooling systems

Clean air systems

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

Affordability and ability to sell idea to community

Spaces that support the presence of the individual

Large locker rooms.

Environmentally Equitable

climbing wall and the like

Child care

Schools with cooking spaces for school lunches

Good sound insulation and projection

More than one elevator in a school requiring students to travel to the opposite end of the school to get to class

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66

Answers

multisport use spaces

Outside spaces for play and supports

Therapy spaces for special ed

Multiple elevators

Spaces that stimulate curiosity

Parking for staff and students, even if it is street parking

one level

Safe parking

After school activities and events spaces.

What are your top ARCHITECTURAL PRIORITIES for MSD schools?

66 Answers

Space for adult learners during the day, evening, and weekends

Community outreach space.

Great in any weather

Community Priorities – Highlights so Far

- Safe Community Use and Access
- Community Recreational Space
- Architectural Merit and Relevance
- Engaging Varied Stakeholders
- Creating a Cohesive Facilities Master Plan
- Building Community Buy-In
- Attracting New Families
- Practical and Cost Effective
- Welcome and Warmth
- School as Community Hub
- Appropriate Fit
- Neighborhood Impact
- City Elections



What are your top COMMUNITY PRIORITIES for MSD schools?

36 Answers

Safety

Affordability

Community access

Safety

Close connection through walking access

Educating the community

Schools integrated into daily life of community

Schools Lifting Neighborhoods

Having better than adequate athletic facilities. Metal detectors.



What are your top COMMUNITY PRIORITIES for MSD schools?

36 Answers

Space for community outreach events.

Respect for River divide/neighborhoods

Community access/integration

A learning hub for all...parents and students

Space for adult learners, during the day, evening, and weekends

Space for family engagement activities. Places where large groups can come together

Community activities that encourage community members to engage

Athletic facilities welcoming to families and community

Facilities that impart a sense of the importance of public education.

What are your top COMMUNITY PRIORITIES for MSD schools?

36 Answers

More security cameras and higher quality cameras.

Active street frontages for the public to engage

Long term analysis of the actual cost of new v rebuild. side by side longitudinal comparisons.

Community support access for MH, MD, Denral

Housing for teachers

Schools with strong presence in community- symbols of pride

Family engagement

Bringing diverse neighborhood members together

Welcoming to families of all ethnicities

What are your top COMMUNITY PRIORITIES for MSD schools?

36 Answers

More understanding of how to work with diverse youth

City bus access

Equitable access to the school(s)

Dental

Communication/Value of education

Extensions of city library

Safe community spaces

Not car dependent.

Daycare for teachers' children?



MANCHESTER SCHOOL DISTRICT

Future Ready

Learning Goals and District Initiatives

MSD Graduate Profile



- Communication & Collaboration
- Critical Thinking & Problem Solving
- Growth Mindset/Resilience and Adaptability
- Equity Mindset/Cultural Competency & Empathy
- Work & Life Ready Basics
- STEM/Technology Skills

21st Century Skills

What does Future Ready Teaching and Learning mean to your school?

THE 6 R'S

READING RIGOR
WRITING RELEVANCE
ARITHMETIC RELATIONSHIP

THE 4 C'S

CRITICAL THINKING
COMMUNICATION
COLLABORATION
CREATIVITY
+ *Citizenship*

Head & Hand

SEL: Social Emotional

- Student-Centered
- Interdisciplinary
- Technology-Infused
- Fully Inclusive/Differentiated
- Universal Design for Learning
- Community Connected
- Problem and Project-Based
- STEM and STEAM
- Process and Product Oriented

Skills for a New Economy

in 2020





1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility



Top 10 skills of 2025

-  Analytical thinking and innovation
-  Active learning and learning strategies
-  Complex problem-solving
-  Critical thinking and analysis
-  Creativity, originality and initiative
-  Leadership and social influence
-  Technology use, monitoring and control
-  Technology design and programming
-  Resilience, stress tolerance and flexibility
-  Reasoning, problem-solving and ideation

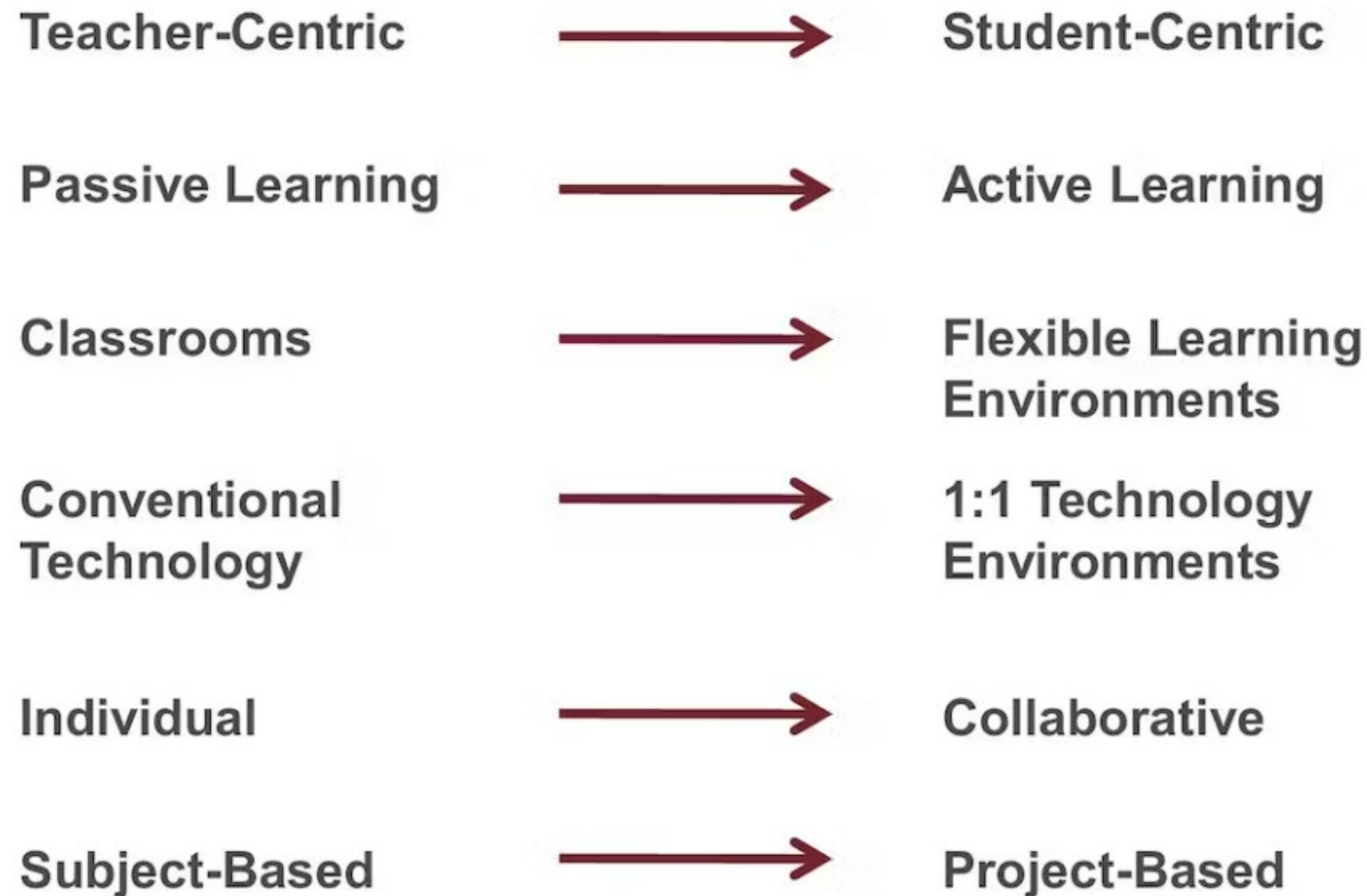
Type of skill

-  Problem-solving
-  Self-management
-  Working with people
-  Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

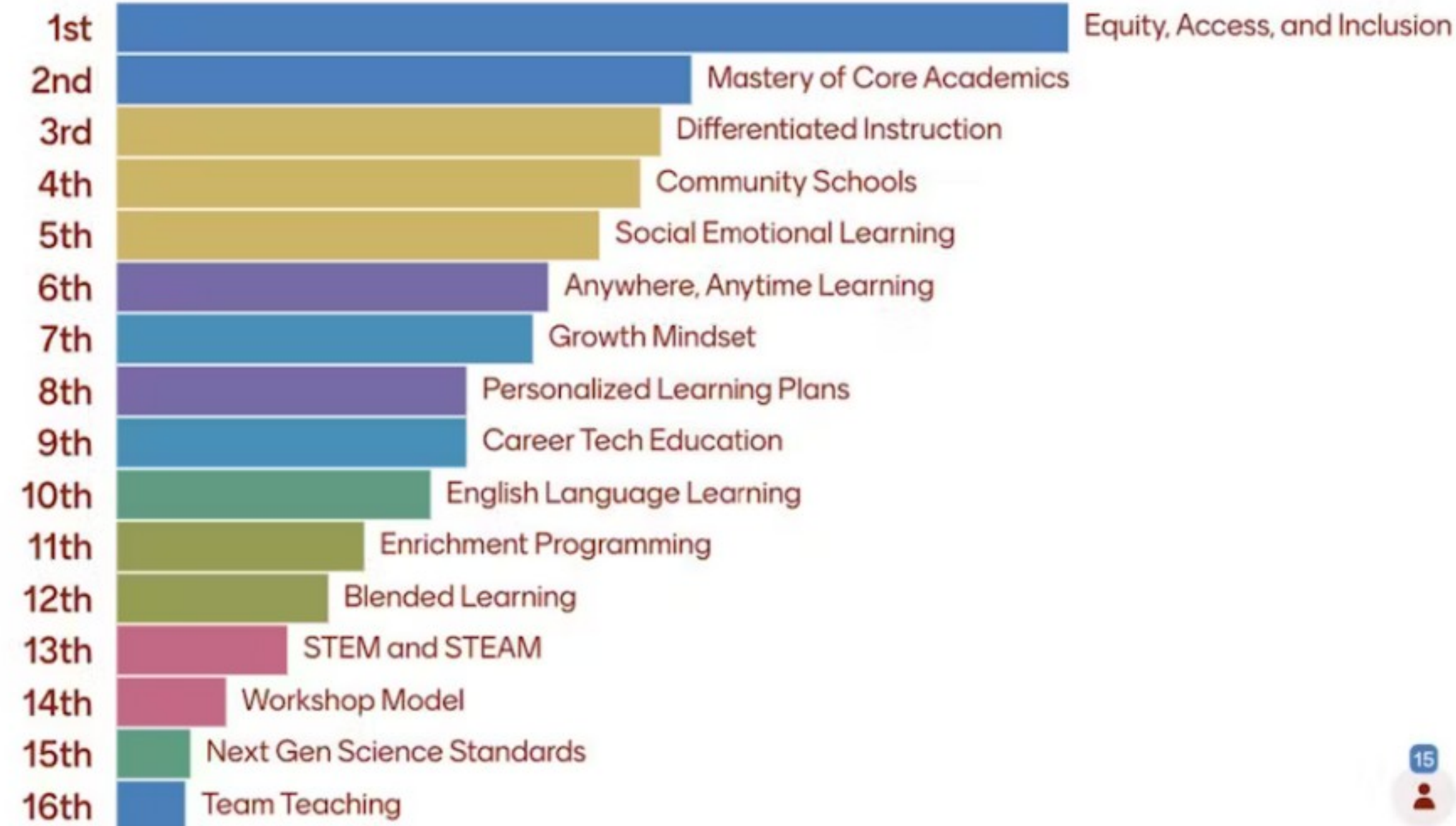
Educational Delivery

*What do your district and school value?
Where do you want to be?*



Key Programmatic Focus Areas

Which programmatic focus areas are most important to you within MSD schools ?



1. Equity, Access, and Inclusion
2. Mastery of Core Academics
3. Differentiated Instruction
4. Community Schools
5. Social Emotional Learning
6. Anytime Anywhere Learning
7. Growth Mindset
8. Personalized Learning Plans
9. Career Tech Education
10. English Language Learning (ELL)
11. Enrichment Programming
12. Blended Learning
13. STEM and STEAM
14. Workshop Model
15. NextGen Science Standards
16. Team Teaching

Equity, Access, and Inclusion

Identifying students' individual needs, removing barriers to access, and providing appropriate accommodations for those students who need them.



Recognition Networks
The “what” of learning



Strategic Networks
The “how” of learning



Affective Networks
The “why” of learning

Multiple Means of **Representation**, **Expression** and **Engagement**

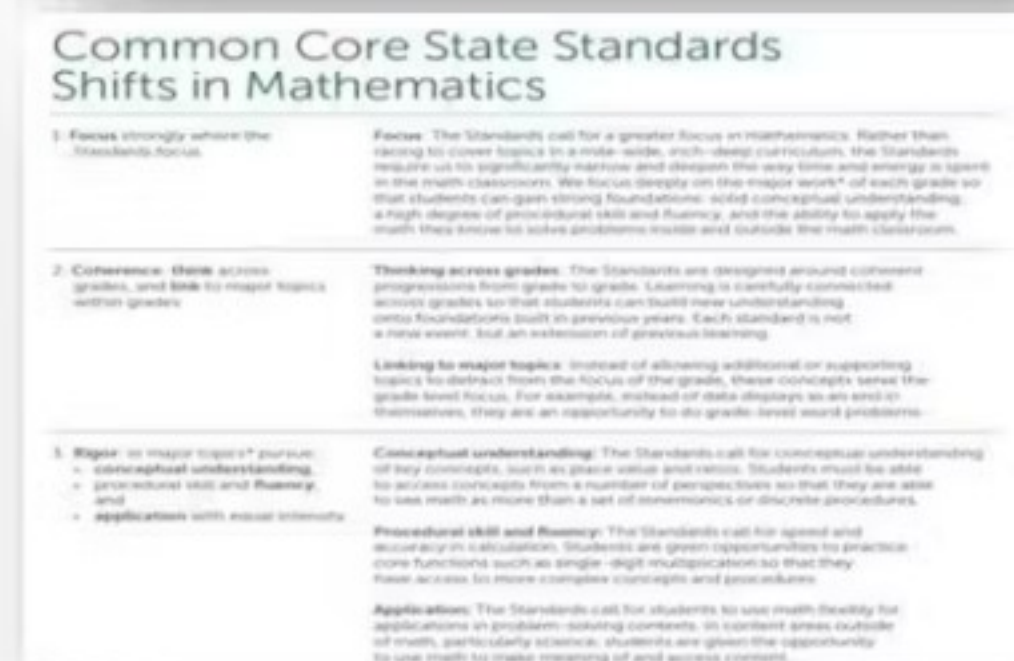
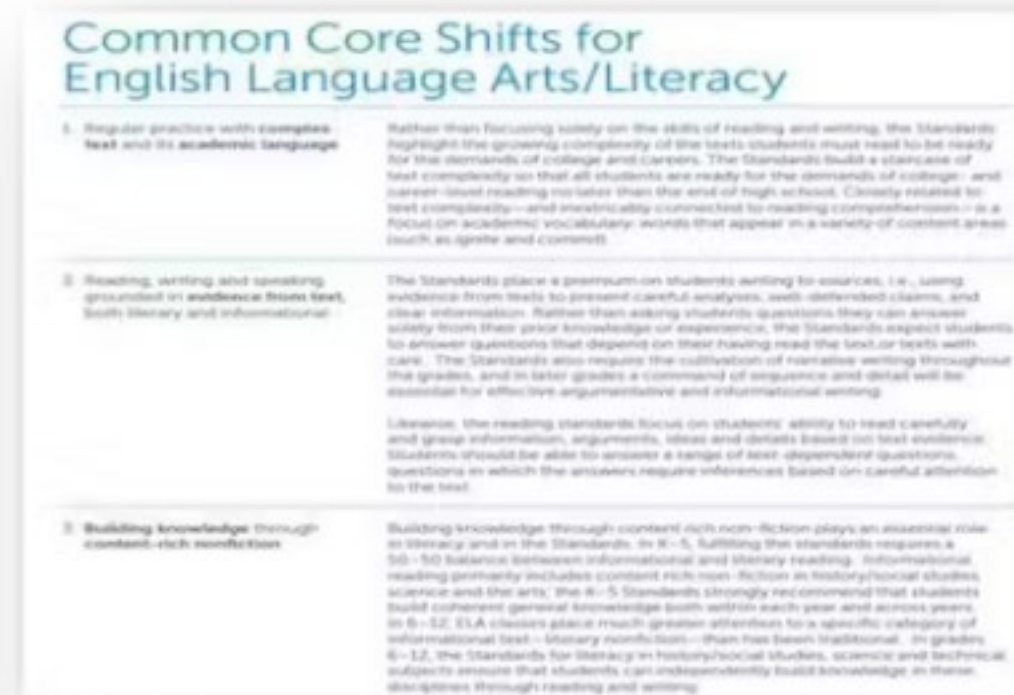
- Universal Design for Learning
- Varied Delivery Methods
- EL Programming
- Hands-On Learning
- Action and Expression



Mastery of Core Academics

PreK - 12 standards-based curriculum that scaffolds to expectations for graduation and is aligned to the Manchester Academic Standards.

- Complex Text
- Academic Language
- Evidence from Text
- Building Knowledge
- Content-Rich Nonfiction



- Concepts and Skills
- Problem Solving
- Thinking Across Grades
- Conceptual Understanding
- Fluency
- Application



Differentiated Instruction

- Push-In Special Ed
- English Language Learners
- Co-Teaching
- Learning Stations
- Sub-Separate Programming



Community Schools

- Community Access and Engagement
- School as Community Hub and Resource
- Authentic Contexts
- Parental Involvement
- Adult-World Connections
- Field Studies



Social Emotional Learning



- Character education
- Growth Mindset
- Mental health
- Mindfulness
- Resilience and Grit
- Classroom management



Anywhere, Anytime Learning

- Independent and small group learning
- Full use of all “between” spaces



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

46 Answers

Now: we need to do a better job educating the unmotivated, need smaller class sizes and more interventions

Future: Students feel more part of the school community through their interests.

Future: Special ed would be more differentiated, especially for the lower functioning students who vary widely but still get grouped together

1. Not great, hope to improve but transportation is an issue

Now: all are topics, all are worked on, there is progress but it's more of a start.

SEL with smaller class size needs to be a priority.

Increased training in differentiation

Future: access to community based services within buildings

Now: a never ending stream of initiatives from a revolving door of top administrators that go nowhere and are abandoned and leave educators frustrated



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

46 Answers

Future: small classes

Now: Systemic barriers crest roadblocks for all of the above

Small class sizes for younger students

Today, DEI is a goal of MHT society, structural and policy still stand in the way of equity. In the future, investments with but equitable community assets (including schools).

Aspirational: identifying student concerns within 1st 2 weeks of school and having the staff to intervene and actually help struggling students

Future: adult learners feeling welcome in a separate space. Many adult learners do not want to go into school buildings due to past experiences.

Future: Accountability for learning anywhere.

Now: some schools have differentiated instruction, anytime anywhere learning, standards based learning, student driven learning, team teaching, cross curricular learning

Mixed mess



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

46 Answers

Future: commitment to programs instead of half measures.

Future: decisions made based on kids not adults

Mixed messages

With current leadership the future looks bright in all areas

We need follow through on quality programs that is sustained over a few years.

Social Emotional Learning: Staff also needs education on how to handle the various students as MSD has such a large population of students with social emotional difficulties

Now: Individual Schools have strengths and weaknesses in these areas. Consistency is a common goal but taking significant time

Schools will support lifting the poorest neighborhoods.

Future: alignment with the State requirement of all schools in NH be competency based.



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

46 Answers

Now: anytime anywhere learning is not a thing; kids penalized for late work, can't do iReady at home.

Aspirational: students are paying attention and not tied to their cell phones for non-educational reasons

Continue to work on trust issues through-out the SAU

Future, community as a classroom.

Now: Agree, consistency should be a common goal

Youth first

Prude in schools is limited

Future: educators fighting to maintain strong public schools that allow every kid equal access to a quality education.

Aspirational: More staff to help students based on need



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

46 Answers

Student based interests lead to scholarships and need to be addressed with supportive programs.

Future: equity in programming and services for adult learners

In the future school campuses will have university embedded

Need for following state standards for play based kindergarten

Future: Trauma informed instructional practices

Now and future: understanding importance of early Ed and the spaces needed

Students running models of community businesses and services.

Aspirational: Freshman Academy with intense goal setting

Changing state funding so poorest districts aren't also the most poorly funded



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

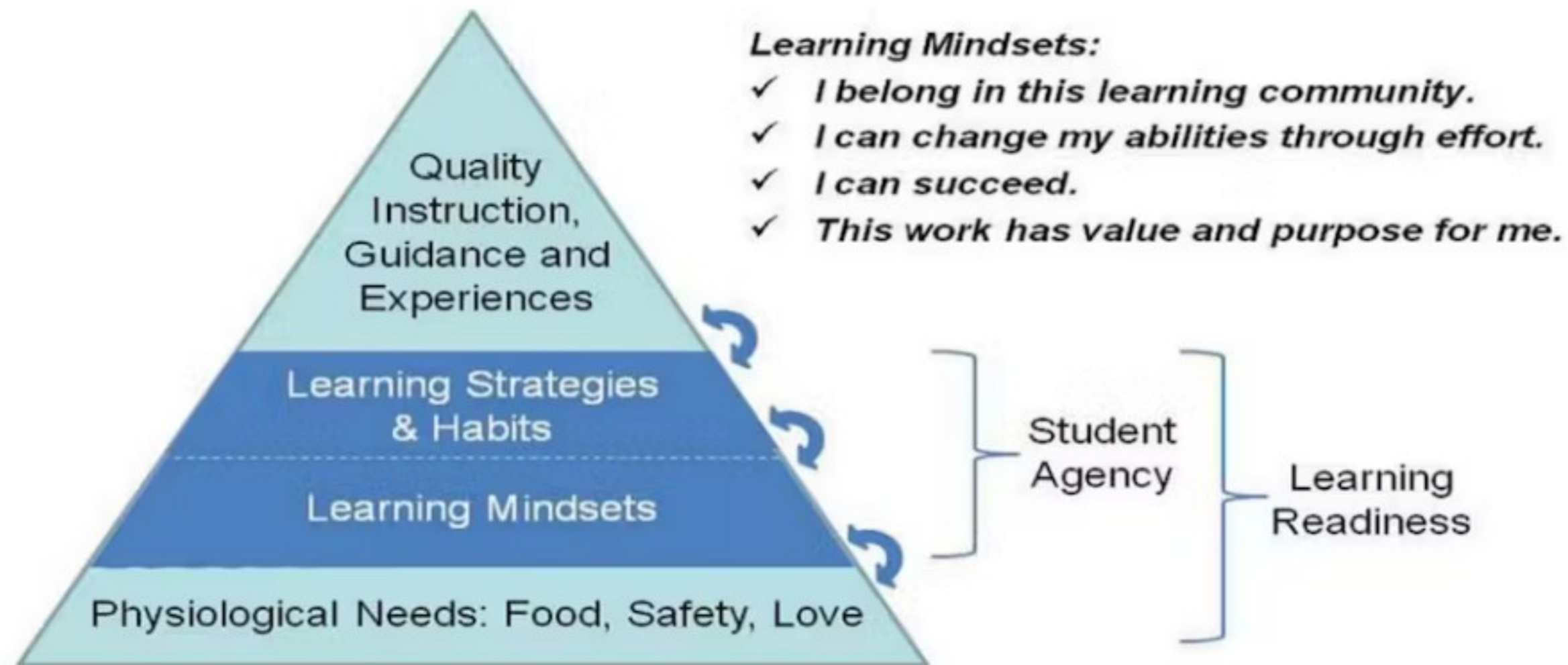
46 Answers

Agree: Focus on play based K



Academic/Growth Mindset

Hierarchy of Learner Needs



... Integrity, responsibility and perseverance...

A Growth Mindset Drives Motivation and Achievement



... value of effort over innate intelligence...



Personalized Learning Plans

- Student Led Conferencing
- Portfolio Defenses
- Competency-Based Framework
- Learning Progressions Toward Mastery



Career Tech Education

- Vocational/Academic Integration
- Extended Learning Opportunities
- Career Pathways
- Community Partners



English Language Learning

Understanding, reading, listening, speaking, and writing of the English language through the development of literacy and academic skills in grade level content areas

TEN ELEMENTS
of Next-Gen English Language Learning

Almost five million students in the public education system are English Language Learners (ELLs).
A landscape analysis of tools and products as well as interviews with teachers, edleaders and researchers led to the creation of 10 Elements of Next-Gen English Language Learning.

- Strong Culture**
Create a strong school culture utilizing a strengths-based approach for all learners.
- Bilingual & Biliterate Programs**
Consider bilingual, biliterate and dual language programs including bilingual pre-K and kindergarten.
- Blended Learning**
Move towards blended learning with high-quality tools to support all learners.
- Next-Gen Teacher Professional Development**
Create opportunities for high-quality teacher professional development.



Enrichment Programming

- Whole Child Approach
- Athletics
- Clubs and Extracurriculars
- Performing and Fine Arts
- Music



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

27 Answers

Now: There is still a big push for college, when most families can't afford college and students don't necessarily desire a college degree

All schools should have access to some form of hands-on CTE

Current: mindset that everyone can learn is weaker in the high schools; less differentiated instruction, more dividing of kiddos

Career Tech could include students collaborating to offer services to the community based on their interest.

Future: Time for students to explore career interests without taking other class time away/getting behind in classwork

Music and visual arts are not "enrichment" they are core subject areas and need to remain so.

Now: CTE is constricted by being tied to one location and hamstrung by logistics constraints.

Growth Mindset includes putting students first and not place the emphasis on adults (the "professionals").

Future: Committing to a CTE model that is not one school for the whole city but all schools receive funding to explore careers.



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

27 Answers

Future: Increased career tech options with community involvement

Future: students are able to move through pathways to create engagement in their futures.

HS schedules are not flexible enough for students needs

More job shadow opportunities

The pendulum needs to swing back to "well-rounded" graduates with strong basic understanding of the humanities

Because we are post covid, we need to have state or the art buildings, athletic facilities, CTE programs that are taught with a career minded focus.

Now: Growth Mindset is in practice, Vocational tracks are explored clearly for Special Ed. students but not as much for non-identified students, ELL as immersion only is very frustrating at High School

More staff to help students in job shadows, internships, etc.

Now: a huge number of students with multiple study blocks during the day



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

27 Answers

Emotional Intelligence to help young people be literate of their feelings.

Future: increases student engagement in community for cte

Mentorships!

1. Now: i-Ready Mypath is nurturing this: Future: More kids "caught up" = growth
2. In process
3. now: limited. Future. robust we hope
4. EL. Now improving Future: immersed with support
5. now: limited

Too much wasted time in high school schedule with not enough staff to engage them with that time

5. Now: limited. Future: hopefully robust

All students deserve individualized learning plans.

Scheduling needs to be around what the students need and not just put into classes, even if they've taken and passed the class

Teachers need more than 45 minutes per day to plan, collaborate, reflect, connect, learn, etc.



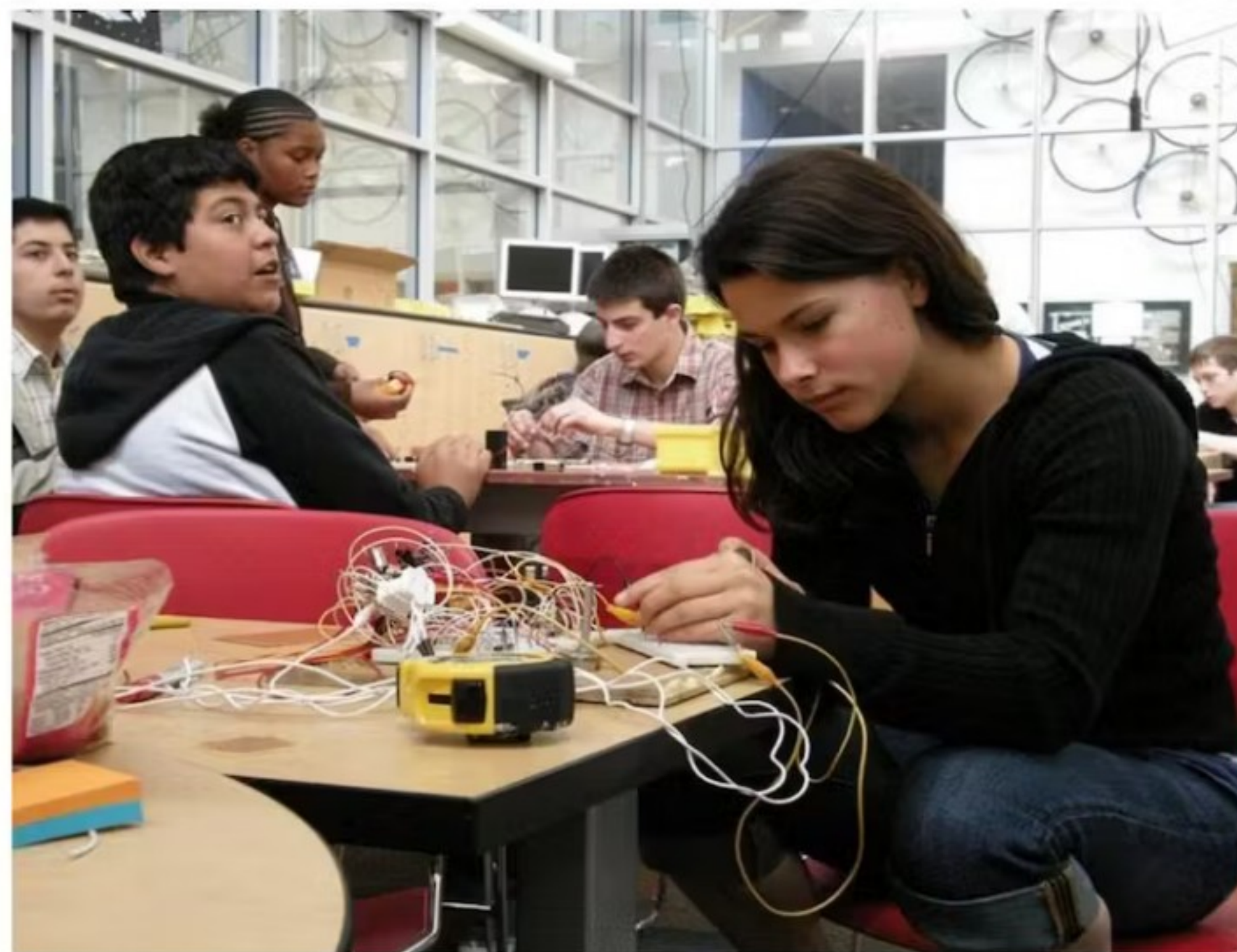
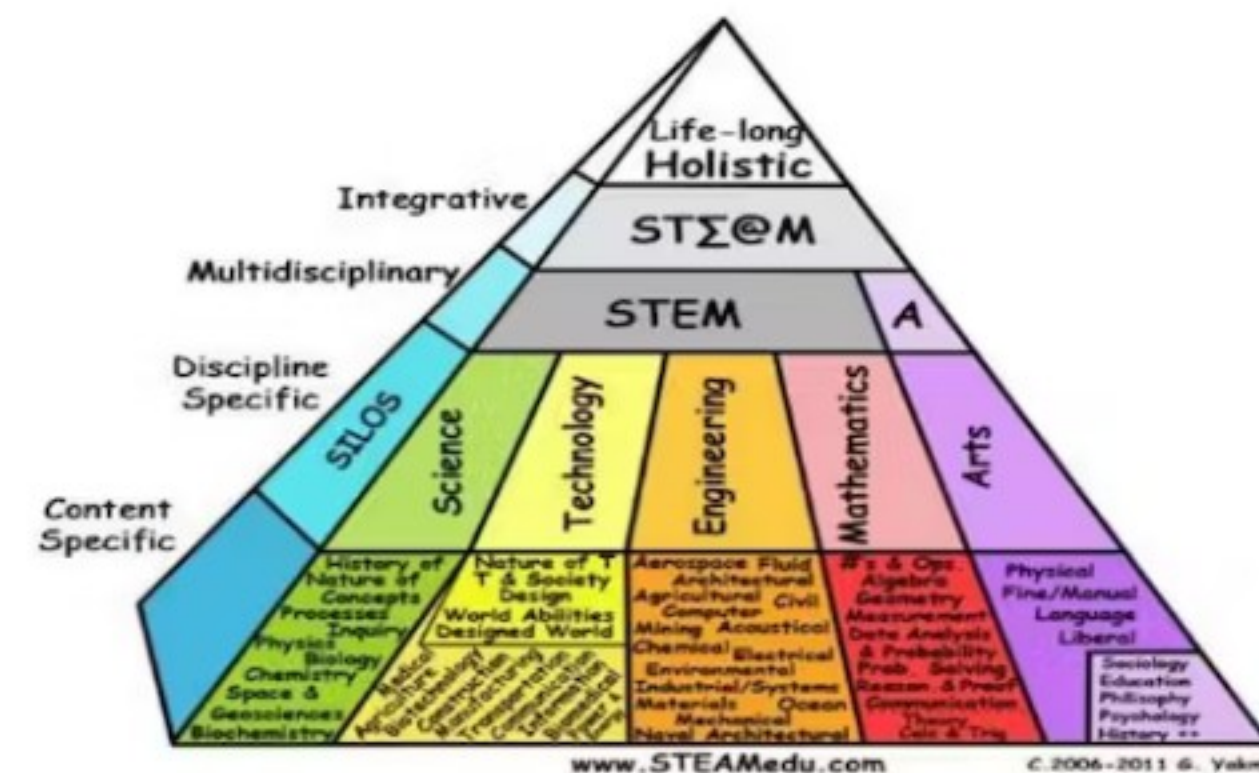
Blended and Virtual Learning

- Seamless Technology Integration
- Online and Virtual Delivery
- Production, Not Just Consumption of Technology



STEM and STEAM

- STEM as meta-discipline
- Art and Humanities as Glue
- Design Thinking Process



Workshop Model

- Warm Up
- Mini-Lesson
- Independent Work Time
- Sharing



Next Gen Science Standards

Science Practices

Next Generation Science Standards

Ask Questions

- What am I observing?
- What does this evidence mean?
- What is the relationship between these variables?
- How can I make my model more accurate?
- What evidence do I need to answer my question?
- What hypothesis can I state based on my observations?
- Is the data used correctly in the argument?

Investigate

- Use the Scientific Method.
- State the goal of the investigation.
- Predict outcomes.
- Plan a course of action that will provide the best evidence to support conclusions.
- Use scientific ideas to show why data can be considered evidence.
- Reduce error in procedures.

Use Math

- Use computers to analyze very large data sets for patterns and trends.
- Use mathematical representations to support scientific conclusions.
- Create algorithms (a series of ordered steps) to solve a problem.
- Use digital laboratory tools to observe, measure, record, and process data.
- Make quantitative predictions.

Communicate

- Be a critical consumer of information about science
- Critically read scientific texts to determine the central ideas and obtain scientific information to describe patterns in evidence.
- Use multiple sources to obtain information used to evaluate the validity of claims and methods.
- Communicate ideas by using tables, diagrams, graphs, models, interactive displays, and equations as well as orally, in writing, and discussion.

Design a Model

- Models include diagrams, physical replicas, mathematical representations, analogies, and computer simulations.
- Models highlight some ideas and simplify others.
- Models are used to help find questions and explanations, to get data to predict, and to communicate ideas.
- Models are based upon evidence. New evidence, changes the model.

Analyze Data

- Construct and interpret graphical displays of data.
- Use computers to tabulate, graphically represent data, visualize, and statistically analyze.
- Use math to represent relationships between variables and identify patterns.
- Take into account sources of error.
- Is one variable the cause (causal), or do both just happen at the same time (correlational)?

Explain

- An explanation includes qualitative or quantitative relationships between variables that predict and describe phenomena.
- Design investigations that generate data to determine explanations to questions.
- Apply scientific reasoning to show why the data or evidence is adequate for the explanation or claim.
- Construct an explanation using models or representations.

Argue

- Argue when investigating a phenomenon, resolving questions about measurements, building data models, and using evidence to evaluate claims.
- Arguing happens when listening, comparing, and evaluating competing ideas and methods.
- Respectfully provide and receive critiques about one's explanations, procedures, models, and questions by citing relevant evidence and posing and responding to questions.



Team Teaching

- Professional Learning Communities
- Cross-Discipline Instruction
- Teacher and Student Collaboration



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

20 Answers

Production of visual media and streaming.

Now: too few students engage in virtual learning, at least at the high school level

Production of competitions where students compete and organize.

Future: using technology for blended learning technology to create equity and differentiation

Future: Use of VR in classrooms

Now: Students with medical and psychiatric issues are penalized for not attending school, even when they complete work. Future: The ability to seamlessly transition from in person as needed.

Future: STEAM was working but new schedule flexibility brings it back to life!

Now & Future: space/time for co teaching between general Ed and special education

Future: Production of eSports tournaments, streams, and community support.



What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

20 Answers

Teachers need more than 45 minutes per day to plan, connect, reflect, learn, collaborate, comply, etc.

We need to have team teachers work together so units tie together while working the curriculum

Future: scheduling allows Co-teaching in inter-disciplinary models

Future: Production of drone events/races for scholarships.

Most are at the beginning stages at best. In the not to distant future most should be solidly in process. Co-teaching would a priority

Now: Robotics club. Future: Class for this and national and international competitions.

Now: lack of common planning nixes STEAM and co-teaching

Future: eSports classes.

Furture: Shools have embedded programa to create a workforce pipeline for Bio fabrication and Bio Engineering which is an emerging industry cluster in Manchester



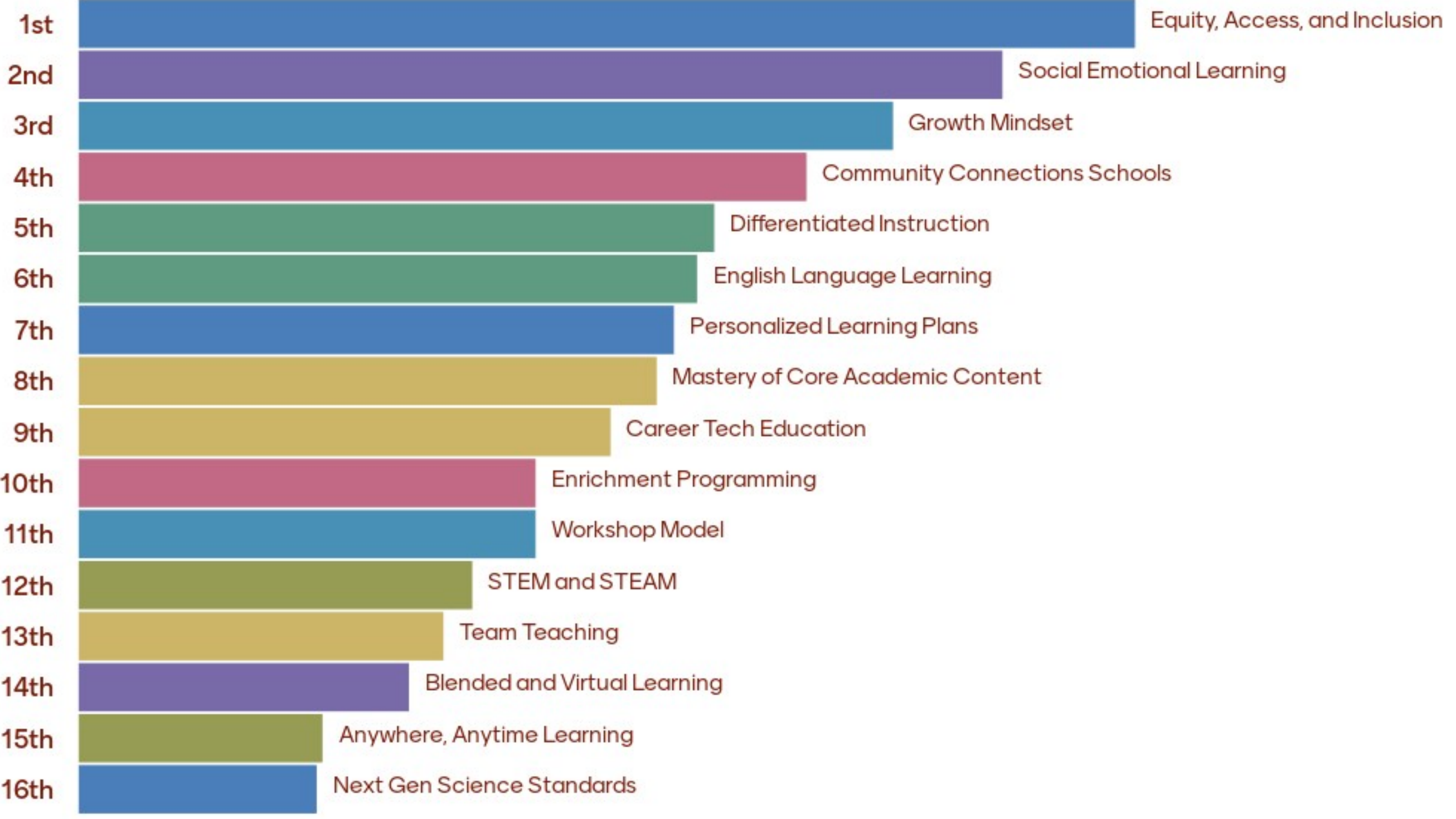
What do these focus areas look like in practice within MSD schools, either now or in an aspirational future?

20 Answers

Now: Happily we have a robotics class and a team!

Future: Hands on, especially for students who have difficulty with traditional pen and paper learning.

Which programmatic focus areas are most important to you within MSD schools?



What teaching and learning focus areas are missing from the previous list?

17 Answers

Health and Well-being

Humanities

Flexible Pathways

Science of Reading

Externships

Trauma informed practice... SEL can absorb this
Love flexible pathways

Allied Arts are equally important.
Priority to SEL (concrete time set aside each week).

State of housing as a vulnerability to teaching and learning, and health communities.

Teacher classroom management training and mentor teachers.

What teaching and learning focus areas are missing from the previous list?

17

Answers

Agree/: enter shops and flexible pathways

Systems

Support for staff to help with the challenges of today's students

Externships

Ethics for all training, admin, teachers, students

Problem solving, how to research to find answers

Physical access to learning.

Need to clearly articulate what EQUITY means

What are your top 6 Future Ready learning goals for MSD schools? Use words from this list or add your own.





MANCHESTER SCHOOL DISTRICT

BREAK



Future Ready Learning

Within MSD Schools



MANCHESTER SCHOOL DISTRICT

Implications of the MSD Graduate Profile

MSD Graduate Profile



- Communication & Collaboration
- Critical Thinking & Problem Solving
- Growth Mindset/Resilience and Adaptability
- Equity Mindset/Cultural Competency & Empathy
- Work & Life Ready Basics
- STEM/Technology Skills

Future Ready Learning Goals Handout

Bloom's Taxonomy

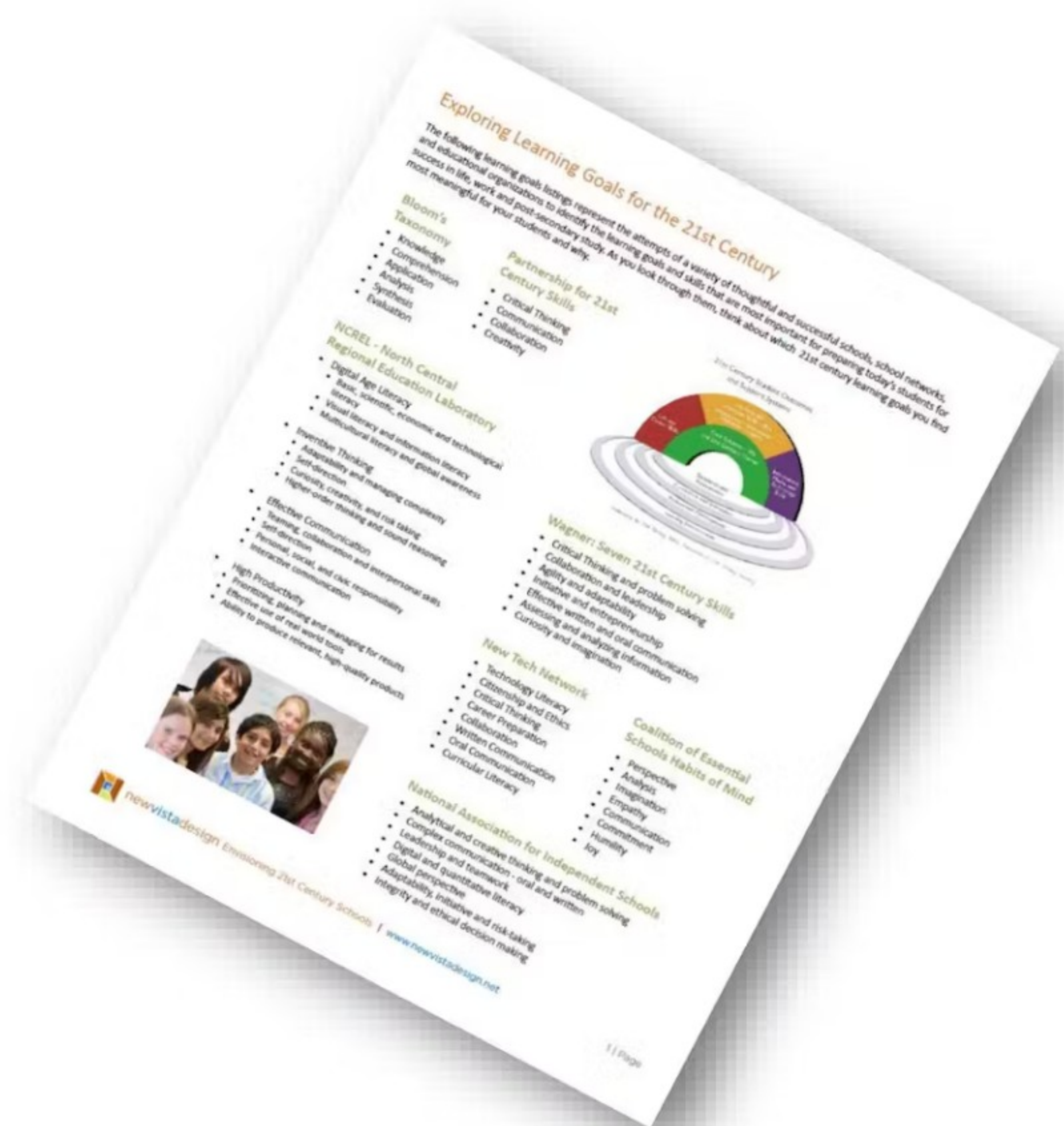
- Knowledge
- Comprehension
- Application
- Analysis
- Synthesis
- Evaluation

Partnership for 21st Century Skills

- Critical Thinking
- Communication
- Collaboration
- Creativity

NCREL - North Central Regional Education Laboratory

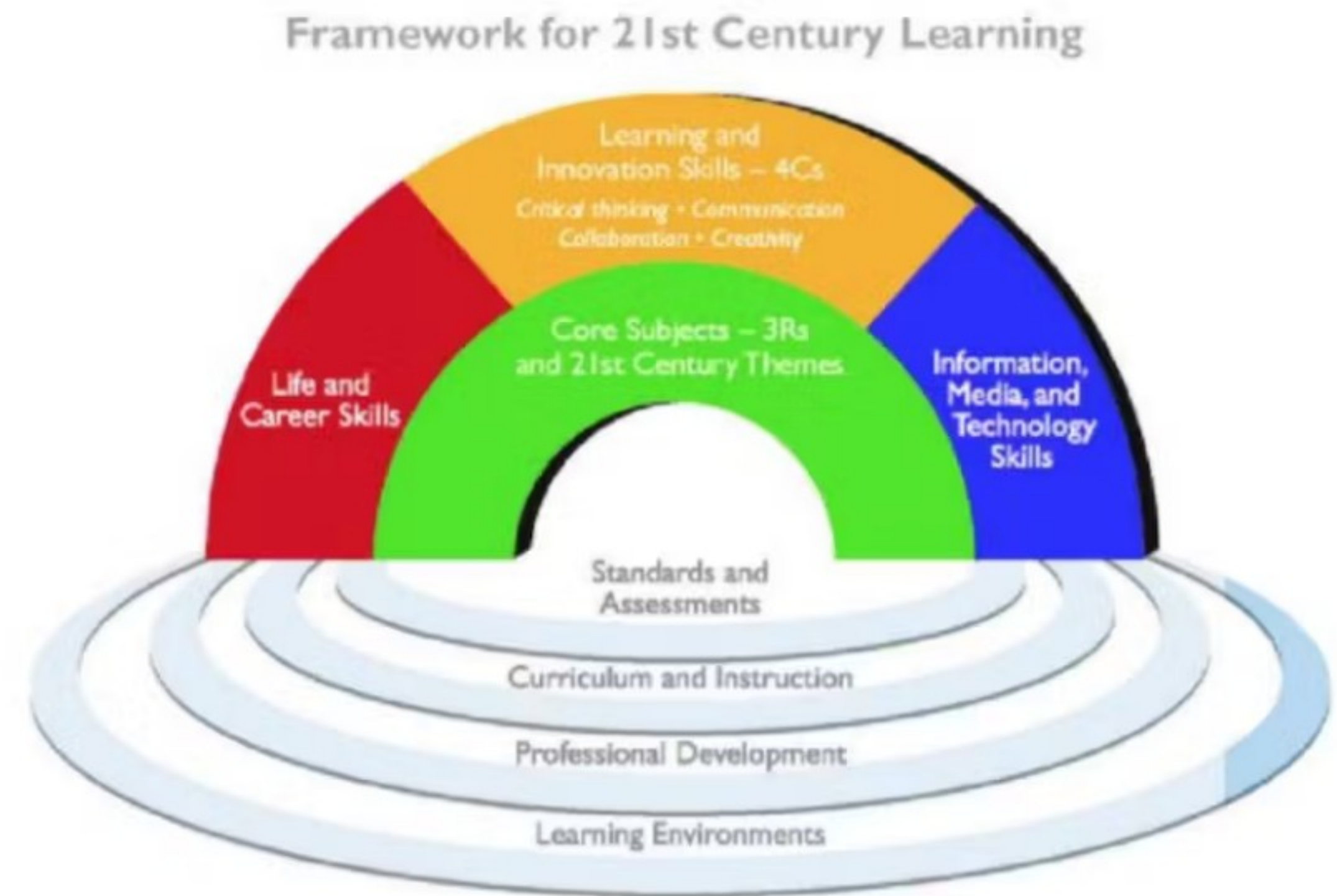
- Digital Age Literacy
 - Basic, scientific, economic and technological literacy
 - Visual literacy and information literacy
 - Multicultural literacy and global awareness



Partnership for 21st Century Skills

The 5 C's

- Critical Thinking
- Communication
- Collaboration
- Creativity
- Citizenship



Coalition of Essential Schools

Habits of Mind

- Perspective
- Analysis
- Imagination
- Empathy
- Communication
- Humility
- Joy



Deeper Learning Network

EL Schools

- Mastery of Core Academic Content
- Critical Thinking and Problem Solving
- Collaboration
- Effective Communication
- Self-Directed Learning
- An “Academic Mindset”



What are the implications of MSD's Graduate Profile for MSD Programs and Facilities?



In Your Small Groups

1. Review and Discuss MSD's Graduate Profile (10 min)
2. Discuss and record your ideas about its implications for MSD PK-12 educational programming (15 min)
3. Discuss and record your ideas about its implications for MSD school facilities, both renovated and new (15 min)



What implications do MSD learning goals and programs hold for the design of MSD facilities?

Next Time

1. Review of MSD Graduate Profile Implications
2. Design Pattern Prioritization
3. Guiding Principles
4. Blue Sky Ideas
5. Bubble Diagramming

