beautiful places
balanced world
Creating a Shared Vision for High School Facilities

St. Cloud Area School District

DESIGN CHARRETTE

WORKSHOP 2
welcome back! {to the design team}
HIGHEST HOPES WORDLE
LET’S REVIEW
PURPOSE

To co-create a clear and compelling vision of the future for St. Cloud Area High School learners and to align the educational programs and physical design of facilities with this vision.
## PRE-REFERENDUM TIMELINE

**Conceptual Design and Pre-Referendum Draft Proposed Schedule**

**October 16, 2014**

<table>
<thead>
<tr>
<th>Activities</th>
<th>Dates/Times</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning to Plan</td>
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<tr>
<td>Contract Negotiations</td>
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<tr>
<td>Steering Committee Formation</td>
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<tr>
<td>Project Process &amp; Schedule</td>
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<td>Contract Signed</td>
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<tr>
<td>Steering Committee Meetings</td>
<td>Wednesday 10-12</td>
<td>22nd</td>
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<tr>
<td>Baseline Analysis</td>
<td>Oct 22, 8:30-10</td>
<td>22nd</td>
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<tr>
<td>Review of Current Educational Programs</td>
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<tr>
<td>Review of Strategic Plan</td>
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<td></td>
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<tr>
<td>Review Community Partnerships</td>
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<tr>
<td><strong>Visioning for the Future - What Do We Want?</strong></td>
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<tr>
<td>Workshop #1 Creating a Facility Vision Statement</td>
<td>Nov 19th, 4-8</td>
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<tr>
<td>Workshop #2 Analysis and Assessment</td>
<td>Nov 21st, 8-12</td>
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<tr>
<td>Tour Remodeled High School</td>
<td>Nov 21st, 12-4</td>
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<td>Tour New High School</td>
<td>Nov 25th, TBD</td>
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<td>Workshop #3 What’s Possible</td>
<td>Dec 2nd, 4-8</td>
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<td>Workshop #4 Synthesis and Recommendation</td>
<td>Dec 3rd, 4-8</td>
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<td>Community Presentation</td>
<td>Dec 3rd, 6pm</td>
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<td><strong>Conceptual Design</strong></td>
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<td>Community Design Workshop Prep</td>
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<td>Community Design Workshop #4</td>
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<td>Partnership Development</td>
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<td>Community Design Workshop #5</td>
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<td>Conceptual Design Refinement</td>
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<td>Report Development</td>
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<td><strong>Referendum</strong></td>
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<td>State Review &amp; Comment</td>
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<td>Campaign Materials and Strategy Development</td>
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<td>Campaign</td>
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<tr>
<td>Referendum Vote</td>
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**Analysis and Assessment**

*we are here*
“Our mission is to create a safe and caring climate and culture in which we prepare, engage, educate, empower, and inspire learners in partnership with their surrounding community to be successful in today’s and tomorrow’s society.”
WE BELIEVE:

Everyone deserves equitable access to the highest quality of learning to maximize individual potential.

Multiple and differing perspectives contribute to informed decision-making and learning.

We all benefit when communities work together toward common goals.

Life-long learning is essential for individuals to shape and thrive in our global society.

The greatest level of individual success is achieved through shared ownership by the individual, families, schools and our communities.
DESIGN

PARAMETERS

- Aligned with District’s Strategic Plan
- This is about transformation.
- Focused on the future (21st Century Learning)
- Focused on student success
- Technology rich
- Equitable access to programs
- Full high school activities/athletic experience
- This is about 2 equitable high schools
- Plan for a design capacity of up to 1800 students for each HS.
- (1800x200 sf/student = 360,000 sf each)
- No loss of instructional time
co-creative ground rules
RELAX & ALLOW. Constant self monitoring will get in the way of group performance. Let go…

DON’T WORRY ABOUT WHO GETS CREDIT. When everyone genuinely collaborates, everyone ends up being more creative.

CLARITY IS NOT A VIRTUE. If everything you say is detailed and explicit, you won’t give your collaborators room to run. Put ideas out there that are half-baked.

CREATIVITY IS RISKY. Put yourself in an environment that rewards failure. Successful creative teams are the ones who fail the most often.
Be who you are and say what you feel because those who mind don’t matter and those who matter don’t mind.

- Dr. Seuss
Do you have a problem in your life?

- Yes.
  - Can you do something about it?
    - No.
      - Then don't worry.
    - Yes.

- No.
  - Then don't worry.
“If you’re not prepared to be wrong, you’ll never come up with anything original.”

— Sir Ken Robinson
FORCES OF CHANGE:

Please identify the major forces of change that you believe will impact public education over the next 10 years.
INNOVATION

theory's already been done. it's time for action.
PRECONCEPTIONS: {i.e. limiting beliefs}

Identify personal and/or institutional beliefs that might prevent or limit you in facing the challenges presented by these forces.
21st Century Skills

- Critical thinking
- Creativity
- Collaboration
- Communication
Educational TRENDS

• **Learning is Personal** – mass customization of learning
• **Learning Happens Everywhere** – formal and informal
• **Flexibility** and **Adaptability** – of both space and furniture
• **Collaboration** – students need to see adults model working together
• **Project Based Learning** – relevant, engaging
• **Technology** – seamless, ubiquitous, BYOD
I SEE...
WE SEE
WE SEE...

Imagine the district is successful beyond your highest expectations, and you’re giving an international team of educators a tour of the district’s schools in the year 2025.

What do you see?
We see inviting, student-centered designs that integrate environmental, community and technological resources to cultivate a love of learning in all students. Schools foster global preparedness, holistic development and engagement through multiple modes of learning. Students and staff strive for success within equitable, inclusive and collaborative settings. Students engage in theoretical and applied learning settings that build bridges between subjects, classrooms and student groups. By celebrating beauty, function, and sustainability we build on a tradition of excellence that serves as a source of pride for students, staff and the community.
21st CENTURY & BEYOND

"If you're not prepared to be wrong, you'll never come up with anything original."

- SIR KEN ROBINSON

LIMITING BELIEFS

INNOVATION

FORCES OF CHANGE

I SEE... WE SEE
Teaching and Learning

What do we want for our learners?
We want all our learners to be successful...

This means: We need to create flexible, adaptable environments that support a variety of learning styles

- Flexible/adaptable learning spaces
  - Moveable walls
  - Tables rather than desks
- Variety of sized learning spaces
- Distance learning and on-line
- Formal and informal learning spaces
- Flexibility/agility to change delivery models
- Maximize multi-purpose nature of all spaces
We want our learners to feel safe and have a sense of community both in and out of the school environment...

This means: We need to create a space for community within the school and for students in the community

• Space for community partners
• Sense of belonging
• Celebrate the uniqueness of St. Cloud area
• Place-based learning
• Welcoming and accessible to parents
We want our learners to be competitive in the world…

This means: We need to create a world class education that supports both college and career readiness

• Access to world and local communities
• Look to best practices for future
• Support programs such as Pro-start, Project Lead the Way
• Look at local businesses such as Healthcare, manufacturing, business services
• Create business partnerships where students run and manage the business
We want our learners to be equitably connected to resources...

This means: We need a technology rich environment that promotes learning anytime, anyplace

- Use of virtual technology – connections to world
- Tech centers with genius bars and informal learning
- Wireless everywhere
- Extended day access for those without wifi
- Ability to move with the technology
- I-Pad minis (being rolled out)
- Flexible technology, ie Mediascapes
We want our learners to have hands-on, relevant learning experiences...

This means: We need to support career technical, business, and STEAM education through appropriate partnerships and space

- Space for applied learning
- Student run businesses
- Building pads for construction of housing
- High tech bio tech (Agriculture)
- Broadcast facilities
- High tech Math/science labs
- Maker spaces
We want our learners to understand that learning is integrated and not discipline specific...

This means: We need to break down traditional silos between subjects and promote teacher collaboration

- Integration of learning – for example, STEAM
- Interdisciplinary learning
- Spaces that allow team teaching
- Fine arts programs integrated and visible to community
- Eliminate teacher owned learning spaces
- Integrate environment into learning
We want our learners to be supported by staff that work collaboratively to promote best practices...

This means: we need to support our staff through professional development and create professional work space for collaboration

- Staff collaboration spaces
- Diversity of staff considered
- Large and small group space for professional development
We want our learners to have opportunities throughout the community…

This means: we will work to support partnerships with businesses and high ed institutions in the St. Cloud area

• Identify what makes this community special
• Support partners and services in High Schools
• Create more community and business partnerships
• Develop internship opportunities for students
• Look at regional opportunities
We want our learners to have a completed high school experience rich with opportunities beyond traditional academics...

This means: We need to support the arts, activities and athletics

• Great athletic facilities
• Performance – auditorium and smaller venues (multi-purpose)
• Equitable access to programming/assets
• Indoor track?
We want our learners to feel welcomed into our schools…

This means: Our schools need to address the physical needs of students by being safe, comfortable, and aesthetically welcoming with lots of daylight

• Natural lighting
• Outdoor learning
• Security - passive and active
• Appropriately sized/located restrooms with PA
• Safe parking, bus, parent drop-off
• Embracing social, emotional and cultural needs of all students
## Utilization of Scheduled Space

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<thead>
<tr>
<th></th>
<th>Apollo</th>
<th>Tech</th>
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<tbody>
<tr>
<td>Current Students</td>
<td>1,393</td>
<td>1,428</td>
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<tr>
<td>Total Teaching Stations Used</td>
<td>83</td>
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<tr>
<td>Average Utilization of all TS</td>
<td>74%</td>
<td>74%</td>
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<tr>
<td>Average number of students per teaching station per period used (x 1/%utilization)</td>
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### General Teaching Stations

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<tbody>
<tr>
<td>number of general TS</td>
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<td>53</td>
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<tr>
<td>utilization of general TS</td>
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### Specialized Teaching Stations

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<tbody>
<tr>
<td>number of specialized TS</td>
<td>15</td>
<td>14</td>
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<tr>
<td>utilization of specialized TS</td>
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### Science Teaching Stations

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<tbody>
<tr>
<td>number of Science TS</td>
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<tr>
<td>utilization of Science TS</td>
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<td>Room #</td>
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<tr>
<td>113</td>
<td>Lang Arts</td>
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<td>403</td>
<td>ELL</td>
<td>G</td>
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<tr>
<td>404</td>
<td>Sped</td>
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<tr>
<td>405</td>
<td>Sped</td>
<td>G</td>
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<td>406</td>
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<td>408</td>
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<td>433</td>
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<tr>
<td>508</td>
<td>Lang Arts</td>
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</table>

Yellowed squares indicate when a room is not in use for students.
TECH HIGH SCHOOL STUDENT PARKING DIAGRAM
APOLLO HIGH SCHOOL
Apollo Athletics

**Football**
- Practice - All teams practice at Apollo on 2 different practice fields on campus.
- Games - Varsity plays games at Michie Stadium on campus, JV, 9th and 10th grade play games on practice field on campus.

**Boy’s and Girl’s Soccer**
- Practice - All teams practice at Apollo’s 4 fields.
- Games - Varsity plays on Michie Field and lower levels play on practice fields.

**Girl’s Tennis**
- Practice - All teams practice on tennis courts on Apollo Campus – 8 courts.
- Games - All teams play on tennis courts on Apollo Campus – 8 courts.

**Girl’s Hockey**
- Practice - All teams practice at the Municipal Athletic Complex (MAC).
- Games - All teams play at the Municipal Athletic Complex (MAC).

**Boy’s Hockey**
- Practice - All teams practice at the Municipal Athletic Complex (MAC).
- Games - All teams play at the Municipal Athletic Complex (MAC).
Apollo Athletics

**Alpine Ski**
- Practice: Powder Ridge
- Compete: Powder Ridge

**Nordic Ski**
- Practice: Riverside or Vets grounds
- Compete: Riverside or Vets grounds

**Gymnastics**
- Practice: at Apollo
- Compete: at Apollo

**Softball**
- Practices: All teams practice at Apollo on our softball fields
- Games: All teams games are at Apollo on our softball fields.

**Baseball**
- Practice: All teams practice at Apollo
- Games: Varsity plays games at the MAC on Putz Field and lower levels play at Apollo.

**Track**
- Practices: at Apollo
- Meets: at Apollo
(Note – the track is in need of serious repair)
Apollo Athletics

**Boy’s Tennis**
Practice - at Apollo – 8 courts.
Matches - at Apollo – 8 courts

**Boy’s and Girl’s Golf**
Practice - Wapicada, Territories or St. Cloud Country Club.
Compete - Wapicada, Territories or St. Cloud Country Club.

**Boy’s and Girl’s Basketball**
Practice - Apollo.
Compete - Apollo

**Boy’s and Girl’s Swimming**
Practice - at Apollo
Compete - at Apollo
(Note – pool has 8 lanes and diving)

“Apollo has nice facilities for outside sports but our inside facilities are limited for the size of school we have. Our locker rooms, gym space and other facilities are not able to handle the number of activities we do, and the number of students.”
Tech Athletics

**Football**
Practice - All teams practice at Clark Field
Games - Varsity plays games at SCSU or St. John’s, 9th and 10th grade play at Clark.

**Boy’s and Girl’s Soccer**
Practice - All teams practice at Oak Hill
Games - Varsity plays at SCSU, and JVI and JVII play games at Oak Hill.

**Girl’s Tennis**
Practice - All teams practice at South or Discovery.
Matches - All team play at South or Discovery.

**Girl’s Hockey**
Practice - All teams practice at the Municipal Athletic Complex (MAC)
Games - All team play at the Municipal Athletic Complex (MAC)

**Boy’s Hockey**
Practice - All teams practice at SCSU
Games - All teams play games at SCSU or the MAC.
Tech Athletics

Alpine Ski
Practice - at Powder Ridge
Compete - at Powder Ridge

Nordic Ski
Practice - at Riverside or Greystone/Prison
Compete - at Riverside or Greystone/Prison

Gymnastics
Practice - at Tech
Compete - at Cathedral

Softball
Practice - All teams practice at Discovery or River’s Edge Park in Waite Park
Games - at River’s Edge.

Baseball
Practice - Varsity and JV practices at South (the practice field is in terrible shape and at times, dangerous). 9th grade also practices at South. There are 2 fields for 3 teams
Games - Varsity plays at Faber Field (MAC) and JV and 9th grade play at Clearwater or St. Augusta. JV at Faber Field some of the games.
Tech Athletics

**Track**
Practice - at South
Meets - None. Track is not fit to host a meet.

**Boy’s Tennis**
Practices - at South and Discovery
Matches - at South and Discovery.

**Boy’s and Girl’s Golf**
Practice - at Wapicada or Boulder Ridge.
Compete - at Wapicada.

**Boy’s and Girl’s Basketball**
Practice - Tech.
Compete - Tech

**Boy’s and Girl’s Lacrosse**
Practice - at Oak Hill
Games - Varsity plays at SCSU and JV plays at Oak Hill.

“When Tech practices or plays at SCSU, St. John’s, River’s Edge, the MAC, or any location where we are paying rent, we can only be there if it is available. This can be difficult to schedule games as the games are scheduled around other users.”
Apollo Maintenance

Building Maintenance: $ 5,130,950
Site Maintenance $ 1,075,000
Conversion to Hot Water/Upgrade Heating Ventilation Dehumidification $14,000,000
Tech Maintenance

Building Maintenance: $5,692,000

Site Maintenance $745,000

Conversion to Hot Water/Upgrade Heating Ventilation Dehumidification $18,000,000
<table>
<thead>
<tr>
<th>School</th>
<th>Grades</th>
<th>Design Capacity (# students)</th>
<th>Gross Area (sf)</th>
<th>SF/Student</th>
<th>Site Size (acres)</th>
<th>Parking Capacity (# stalls)</th>
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<tbody>
<tr>
<td>Sauk Rapids-Rice High School</td>
<td>9-12</td>
<td>1500</td>
<td>360,000</td>
<td>240</td>
<td>100 + 150</td>
<td>885</td>
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<tr>
<td>Wadena-Deer Creek Middle/High School</td>
<td>5-12</td>
<td>800</td>
<td>174,500</td>
<td>218</td>
<td>42</td>
<td>244</td>
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<td>East Ridge High School</td>
<td>9-12</td>
<td>1800</td>
<td>375,000</td>
<td>208</td>
<td>80 + 44</td>
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<tr>
<td>Alexandria High School</td>
<td>9-12</td>
<td>1400</td>
<td>285,000</td>
<td>203</td>
<td>167</td>
<td>794</td>
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**Current Facilities**

<table>
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<tr>
<th>Current Facilities</th>
<th>Grades</th>
<th>Existing Capacity (# students)</th>
<th>Gross Area (sf)</th>
<th>SF/Student</th>
<th>Site Size (acres)</th>
<th>Parking Capacity (# stalls)</th>
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</thead>
<tbody>
<tr>
<td>St. Cloud Apollo High School</td>
<td>9-12</td>
<td>1393</td>
<td>*349,244</td>
<td>250</td>
<td>63</td>
<td>400</td>
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<tr>
<td>St. Cloud Tech High School</td>
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<td>1428</td>
<td>367,727</td>
<td>258</td>
<td>9</td>
<td>221</td>
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* total gross square footage includes district offices.