Creating a Shared Vision for High School Facilities
St. Cloud Area School District

Workshop 5:
‘Developing the Model’

02.02.15
AGENDA

- WELCOME & INTRODUCTIONS
- REVIEW OF PROCESS TO DATE
- DISTRICT UPDATE, PARALLEL EFFORTS
- HIGH TECH HIGH VIDEO & REFLECTIONS
- LEARNING EXPECTATIONS
- PROGRAM PARAMETERS
- “THINK OUTSIDE THE BLOCKS” (PART 2)
- SITE CONTEXT
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.
Workshop Process

Workshop 1 November 19th: Visioning

Workshop 2 November 21st: Priorities

{Tours of Alexandria and Hopkins}

Workshop 3 December 2nd: Diverging

Workshop 4 December 3rd: Converging

Dec. 18th School Board Presentation & Approval
Pre-referendum Calendar

Workshop 5 Feb. 2nd: Development
Workshop 6 Feb. 5th: Fine-tuning
Community Presentation: TBD
Spring 2015: School Board sets referendum scope and amount based on community workshops.
FALL REFERENDUM
HIGHEST HOPES
mission

“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.”
core values

WE BELIEVE everyone deserves equitable access to the highest quality of learning to maximize individual potential.

WE BELIEVE multiple and differing perspectives contribute to informed decision-making and learning.

WE BELIEVE we all benefit when communities work together toward common goals.

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

WE BELIEVE 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.
  - (1800 x 200 sf/student = 360,000 sf each)
- No loss of instructional time
FORCES OF CHANGE:

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

Resistance to money, we can’t afford it

There’s only one right answer

Some ideas are mutually exclusive

Compromise means loss

Your preconception is wrong – mine is right!

Decision has already been made

Newer is better

Keeping up with the Jones’s, copy our neighbor

Technology is overwhelming

Technology enhances our life

Innovation will not be supported by the community

If it was good enough for me, it’s good enough for my kids

Change is good, Change is bad.
I SEE...
WE SEE
We see inviting, student-centered designs that integrate environmental, community and technological resources to cultivate a love of learning in all students. 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.

- 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, student groups and the community.
Teaching and Learning
What do we want for our learners?
EMPATHY WALKS
APOLLO AND TECH
ALIGNMENT WITH VISION
SORTING AND ORGANIZING
WHAT ARE THE BIG PRIORITIES?
ALIGNMENT WITH VISION

**ALIGNED** *(working, keep, celebrate)*

- Connection to surrounding community downtown and Lake George (76)
- Lots of natural light (32)
- Historical architecture (14)
- Celebrate Pride (12)
- Light and Open feeling (better here than Apollo) (4)
- Needs a bigger theater, but keep small auditorium/theater space too – there is value in the more intimate space for some productions (4)
- Cafeteria, logistics, and options (1)

**MISALIGNED** *(not working, won’t miss)*

- Land locked – parking, athletics, no room to grow (93)
- Outdated Building (65)
- Accessibility (42)
- Learning areas are not logically organized (26)
- Claustrophobic and confusing hallways, and small classrooms (26)
- Parking Master Plan (22)
- No grand entryway – no focal point for public access (17)

**TECH HIGH SCHOOL**
ALIGNMENT WITH VISION

ALIGNED (working, keep, celebrate)

- Alternative learning spaces - Outdoor lab student big flexible space (27)
- Outdoor grounds – Courtyard, athletics, parking (25)
- Visual evidence of school pride (11)
- Public Art - Student community on display (7)
- Good Layout, provides flexibility and accessibility (6)
- Accessible open hallways! (5)
- Multicultural Atmosphere (5)
- Performing arts space (5)

MISALIGNED (not working, won’t miss)

- Interior is unattractive (22)
- Outdated technology (21)
- In-flexible space (10)
- Flexibility of classrooms (10)
- Cafeteria flow and aesthetics (10)
- Comfort and safety: public access check points (7)
- Inadequate heating/cooling system (6)
- Technology: make more accessible (6)
- Lack of upgrades (3)
- Space deficiencies – gym, lockers, classes, cafeteria, safety (2)

APOLLO HIGH SCHOOL
TOURS OF ALEXANDRIA HIGH SCHOOL AND HOPKINS HIGH SCHOOL
THINK OUTSIDE THE BLOCKS
COMMON GROUND
COMMON GROUND NEW

- All groups accommodated site program for fields and parking on site
- All groups created outdoor learning environments
- Both groups at the 33rd St. site considered collaboration with City
- All groups entered a 2 story Commons space adjacent to activity spaces (to provide pre-function space)
- All groups had secure entries with administration adjacent
- All groups had multi-story learning communities
- All groups zoned activity and performing arts spaces
COMMON GROUND APOLLO

- All groups enlarged the Commons space
- All groups reorganized building into public and classroom areas
- All groups added gym/activity space
- All groups opened up space throughout plan
- All groups relocated lockers closer to learning spaces
- All groups relocated DAO
- All groups zoned play fields
- All groups addressed security by relocating administration
- 3 groups looked 2 story additions
- 3 groups looked expanding kitchen
COMMON GROUND TECH HIGH

- All groups relocated Media Services to use property
- All groups incorporated a major addition for flexible learning
- All groups maintained Lake George as an asset
- All groups demolished the 1965 wing to the west
- All groups built over 13th Ave. (current bus area)
- All groups reconfigured Clark Field
- All groups added parking to the north and west of site
- 3 groups kept the existing oldest building, pool and gyms
- 3 groups acquired properties along 14th Ave.
SYNTHESIS PRESENTATION

1. New Tech on New Site
2. Transformed Apollo @ Existing Site
3. Transformed Tech @ Existing Site
1. New Tech on New Site (33rd St. South Site)
## ESTIMATE OF PROBABLE COST

### New Tech - New Site

*Assumes similar quality to Alex*

<table>
<thead>
<tr>
<th>Building</th>
<th>sf</th>
<th>cost/sf</th>
<th>Total</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Costs</td>
<td>360,000</td>
<td>$224</td>
<td>$80,640,000</td>
<td>$80.6 M</td>
</tr>
<tr>
<td>Site Development Costs</td>
<td></td>
<td></td>
<td></td>
<td>$9.6 M</td>
</tr>
<tr>
<td>Soft Costs (20%)</td>
<td></td>
<td></td>
<td></td>
<td>$18 M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub Total</th>
<th>$108.2 M</th>
</tr>
</thead>
<tbody>
<tr>
<td>33rd St Property Acquisition</td>
<td>$.9 M</td>
</tr>
<tr>
<td>Estimate to run utilities</td>
<td>$2.5 M</td>
</tr>
</tbody>
</table>

| Total                            | $111.6 M |
# ESTIMATE OF PROBABLE COST

**Apollo High School - Renovated**

*Assumes phased construction*

<table>
<thead>
<tr>
<th>Building</th>
<th>sf</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Construction</td>
<td>40,000</td>
<td>$9.2 M</td>
</tr>
<tr>
<td>Existing to Remain</td>
<td>330,000</td>
<td></td>
</tr>
<tr>
<td>Heavy Remodel</td>
<td>120,000</td>
<td>$15.6 M</td>
</tr>
<tr>
<td>Light Remodel</td>
<td>120,000</td>
<td>$8.4 M</td>
</tr>
<tr>
<td>Maintenance Items</td>
<td></td>
<td>$5.1 M</td>
</tr>
<tr>
<td><strong>subtotal</strong></td>
<td></td>
<td><strong>$38.3 M</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Site</th>
<th>amount</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Improvements</td>
<td></td>
<td>$1.5 M</td>
</tr>
<tr>
<td>Site Circulation/Parking Improvements</td>
<td></td>
<td>$1 M</td>
</tr>
<tr>
<td>Parking lot maintenance</td>
<td></td>
<td>$1.075 M</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>$3.6 M</strong></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td><strong>$42 M</strong></td>
</tr>
<tr>
<td>Soft Costs (23%)</td>
<td></td>
<td>$9.6 M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$51.5 M</strong></td>
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</tbody>
</table>
**ESTIMATE OF PROBABLE COST**

**Tech High School - Renovated**

_Assumes phased construction_

<table>
<thead>
<tr>
<th>Building</th>
<th>sf</th>
<th>Cost</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Construction</td>
<td>240,000</td>
<td>$66 M</td>
<td>Includes phasing and constructability</td>
</tr>
<tr>
<td>Existing to Remain</td>
<td>200,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy Remodel</td>
<td>150,000</td>
<td>$30 M</td>
<td>Includes maintenance items</td>
</tr>
<tr>
<td>Light Remodel</td>
<td>50,000</td>
<td>$6 M</td>
<td>Gym, Locker rooms, old Media Center</td>
</tr>
</tbody>
</table>

**Site**

<table>
<thead>
<tr>
<th>Site</th>
<th>amount</th>
<th>Cost</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Acquisition</td>
<td>27 properties</td>
<td>$5.4 M</td>
<td>includes acquisition and demo</td>
</tr>
<tr>
<td>Demolition Costs</td>
<td>2,600,000 c.f.</td>
<td>$2 M</td>
<td></td>
</tr>
<tr>
<td>Utility Relocation at 13th</td>
<td></td>
<td>$2.5 M</td>
<td></td>
</tr>
<tr>
<td>Parking spaces</td>
<td>570</td>
<td>$1.5 M</td>
<td></td>
</tr>
<tr>
<td>Clark Field Improvements</td>
<td></td>
<td>$3.4 M</td>
<td>from existing report</td>
</tr>
</tbody>
</table>

Subtotal: $14.4 M

**Relocate Media Services**

| to be determined                   | TBD          | Subtotal: $116.4 M |

| Soft Costs (28%)                   | $32.6 M      |

**Total** $149 M
Design criteria

- Flexibility, adaptability
- Variety of learning settings
- Accessible and welcoming to all
- Identifiable main entry
- Safe and secure
- Outside learning and amenities
- Activities/athletics
- Site circulation, service, and parking
- Community access/access to the community
- Sustainable for the future, stewardship
- Daylighting
- Cost
- Constructability and Phasing
Creating a Shared Vision for High School Facilities

St. Cloud Area School District

Workshop 4
Synthesis

12.18.14

THANK YOU!!!
AGENDA

• WELCOME & INTRODUCTIONS
• REVIEW OF PROCESS TO DATE
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Teaching and Learning
What do we want for our learners?
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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
What do we want for our learners?

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
What do we want for our learners?

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
What do we want for our learners?

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
- Hubs with genius bars and informal learning
- Wireless everywhere
- Extended day access for those without wifi
- Ability to move with the technology
- BYOD: Bring Your Own Device
- Flexible technology, ie Mediascapes
- Learning Commons
What do we want for our learners?

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
- Project Based Learning spaces
What do we want for our learners?

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
What do we want for our learners?

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
- Large and small group space for professional development
What do we want for our learners?

We want our learners to have opportunities throughout the community…

This means: we will work to support partnerships with businesses and higher 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
What do we want for our learners?

We want our learners to have a complete high school experience rich with opportunities beyond traditional academics…

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

- Great athletic facilities
- Performance venues
- Equitable access to programming/assets
What do we want for our learners?

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
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### New High School

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1,800</td>
<td>Students</td>
</tr>
<tr>
<td>SF/Student</td>
<td>200</td>
<td>Square Feet</td>
</tr>
<tr>
<td>Overall Square Footage</td>
<td>360,000</td>
<td>Square Feet</td>
</tr>
</tbody>
</table>

### Conceptual Program

<table>
<thead>
<tr>
<th>Current Students</th>
<th>Existing</th>
<th>Proposed at 1,800 Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Apollo</td>
<td>Tech</td>
</tr>
<tr>
<td>Total Teaching Stations</td>
<td>83</td>
<td>77</td>
</tr>
<tr>
<td>Average Utilization of all TS</td>
<td>74%</td>
<td>74%</td>
</tr>
<tr>
<td>Average number of students per teaching station per period used</td>
<td>23</td>
<td>25</td>
</tr>
</tbody>
</table>
St Cloud High Schools Working Program

02.02.2015

assumes 1,800 students @ 200 sf/student

<table>
<thead>
<tr>
<th>Teaching Stations</th>
<th>approx. % sf</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning Communities</td>
<td>70</td>
<td>26% includes general learning, lab/studios, staff collaboration</td>
</tr>
<tr>
<td>Music &amp; Performance</td>
<td>3</td>
<td>5% includes performance venue</td>
</tr>
<tr>
<td>Athletics &amp; Fitness</td>
<td>4</td>
<td>21% includes gyms, pool and support spaces</td>
</tr>
<tr>
<td>Lab Studios</td>
<td>8</td>
<td>7% includes CTE, Art, and other studio spaces</td>
</tr>
<tr>
<td>Special Ed (Self-Contained)</td>
<td>1</td>
<td>1% includes life skills and medically fragile</td>
</tr>
<tr>
<td>Student Support</td>
<td>3</td>
<td>Administration, counseling</td>
</tr>
<tr>
<td>Commons/Heart/Cafeteria</td>
<td>4</td>
<td>4% Eat and meet</td>
</tr>
<tr>
<td>Building Support</td>
<td>3</td>
<td>3% kitchen, receiving, storage</td>
</tr>
<tr>
<td><strong>Teaching Station Total</strong></td>
<td><strong>85</strong></td>
<td></td>
</tr>
</tbody>
</table>

Net to Gross factor 30% includes toilets, walls, circulation

<table>
<thead>
<tr>
<th>Total Gross</th>
<th>100%</th>
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</thead>
</table>
LEARNING COMMUNITIES
Learning Communities:

From Wikipedia

A learning community is a group of people who share common academic goals and attitudes, who meet semi-regularly to collaborate...
Learning Communities...

...organize a school into smaller units that are more personal and build stronger relationships, enhancing student engagement.
Learning Communities

These smaller units of learning are **flexible and adaptable** for the future and create an invitation to organize learning in any number of ways.
NOT THIS...
Learning Community Parameters

Learning Communities need to have:

- Flexible Spaces
- Staff Collaboration
- Variety of Space
- Adaptable Space
- Collegiate Atmosphere
- Integrated Specialized Spaces
Flexible Spaces
Create learning environments that are relevant and collaborative
Staff Collaboration
Provide professional/PLC space where adults can model collaboration
Variety of Spaces
Accommodate different sized groups and all learners and learning styles
Adaptable Space

How will the space accommodate changes in curriculum and delivery?
Collegiate Atmosphere
Encourage peer to peer and informal learning
Specialized Spaces
Integrate hands-on project based learning
• WELCOME & INTRODUCTIONS
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Design Exercise:

Working as a team, please use the materials provided in your kits to design one of the learning communities discussed in the program parameters. Thank you, and…

...think outside the blocks 😊
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beautiful places balanced world