

# Saint Paul Public Schools

## Designing for 21<sup>st</sup> Century Learning



### Humboldt High School School Design Committee Workshop 2: Envisioning the Future



# WELCOME!



CUNNINGHAM  
G R O U P

# Envisioning the Future



CUNNINGHAM  
G R O U P

# Recap Workshop 1

# Facilities Master Plan



“Plans are nothing;  
planning is everything”

-Dwight D. Eisenhower

- Provides roadmap for District to implement sustainable and responsive facility projects by:
  - Establishing district-wide baseline facility needs
  - Identifying facility gaps and inequities across district
  - Providing criteria to fulfill projects fairly and efficiently
  - Determining implementation priorities for construction projects



# Facilities Master Plan - Planning Process

May – August 2014

May 2014 - December 2014

January – June 2015

June - December 2015

Steering Committee



**Phase 1**  
**Prepare to Inform**



**Data Collection and  
Evaluation**

- Strong Schools, Strong Communities 2.0 (strategic plan)
- Enrollment and building capacities
- Demographic research
- Personalized Learning; Technology Plan
- Updated Educational Adequacy Assessment



**Facilities Master  
Plan Committee**

**Phase 2**  
**Consult > Involve**



**Establish District-wide  
Priorities, Baseline  
and Criteria**

- Determine large-scale system priorities
- Audit each site facility gaps/needs (baseline)
- Determine facility improvement prioritization criteria
- Estimate improvements costs
- Funding recommendations

**Phase 3**  
**Involve > Collaborate**



**Develop Site-based  
Priorities and Plans**

- Site and floor plan improvements and modifications
- Prioritized phasing of projects
- Estimated improvements costs
- Determine district's facilities governance committee structure

**Phase 4**  
**Inform**



**Finalize Plan and  
Share Results**

- Inform stakeholders
- Convene district facilities governance committee
- Board of Education presentation

Collaborate

Inform

## School Design Committee

Responsible for shaping the work at **Humboldt High School**. Includes all stakeholders.

## School Steering Committee

Responsible for guiding the overall process at Humboldt. Includes: the principal, district academic and facilities leadership, building engineer, a parent and a staff member,



**DESIGN WITH, NOT FOR**

**Welcome to the design team!**



# HUMBOLDT HS



## Highest Hope Wordle

# HUMBOLDT HS



# What's Special Wordle





### WORKSHOP

1



### GOAL

To orient the School Design Committee to their charge and the framework of the FMP to date including the Facilities Vision, Principles, Standards and the priorities and project scope identified for St. Anthony Park Elementary School.



### ACTIVITIES

- Introduction to process and conceptual scope
- Small Group work on what's special about St. Anthony Park Elementary School



### WORKSHOP

2

April 21  
4-6 pm



### GOAL

To provide and explore examples of what learning environments could look like to support 21st century learning.



### ACTIVITIES

- Introduction to what others are doing
- How do facilities impact learning?
- Small Group work



### WORKSHOP

3

**April 28**  
**4-6**



### GOAL

Program and adjacency exploration/validation



### ACTIVITIES

- Review of space, program and what's included
- Design thinking hands-on exercise
- Report back and next steps



### WORKSHOP

4

**May 12**  
**4-6**



### GOAL

Conceptual Design Validation



### ACTIVITIES

- Report back outcomes of Workshop 3
- Synthesis: Presentation of conceptual design
- Small Group discussion
- Report back and next steps

# 21<sup>st</sup> CENTURY & BEYOND



# FORCES OF CHANGE



# LIMITING BELIEFS



# INNOVATION ECONOMY



# Day in the Life

# **FORCES OF CHANGE:**

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

**Please add your thoughts to the scroll**

**Predicting the future is hard,  
it hasn't happened yet.**

**Yogi Berra**

# 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.**



# Tour Debrief – Alexandria Area High School





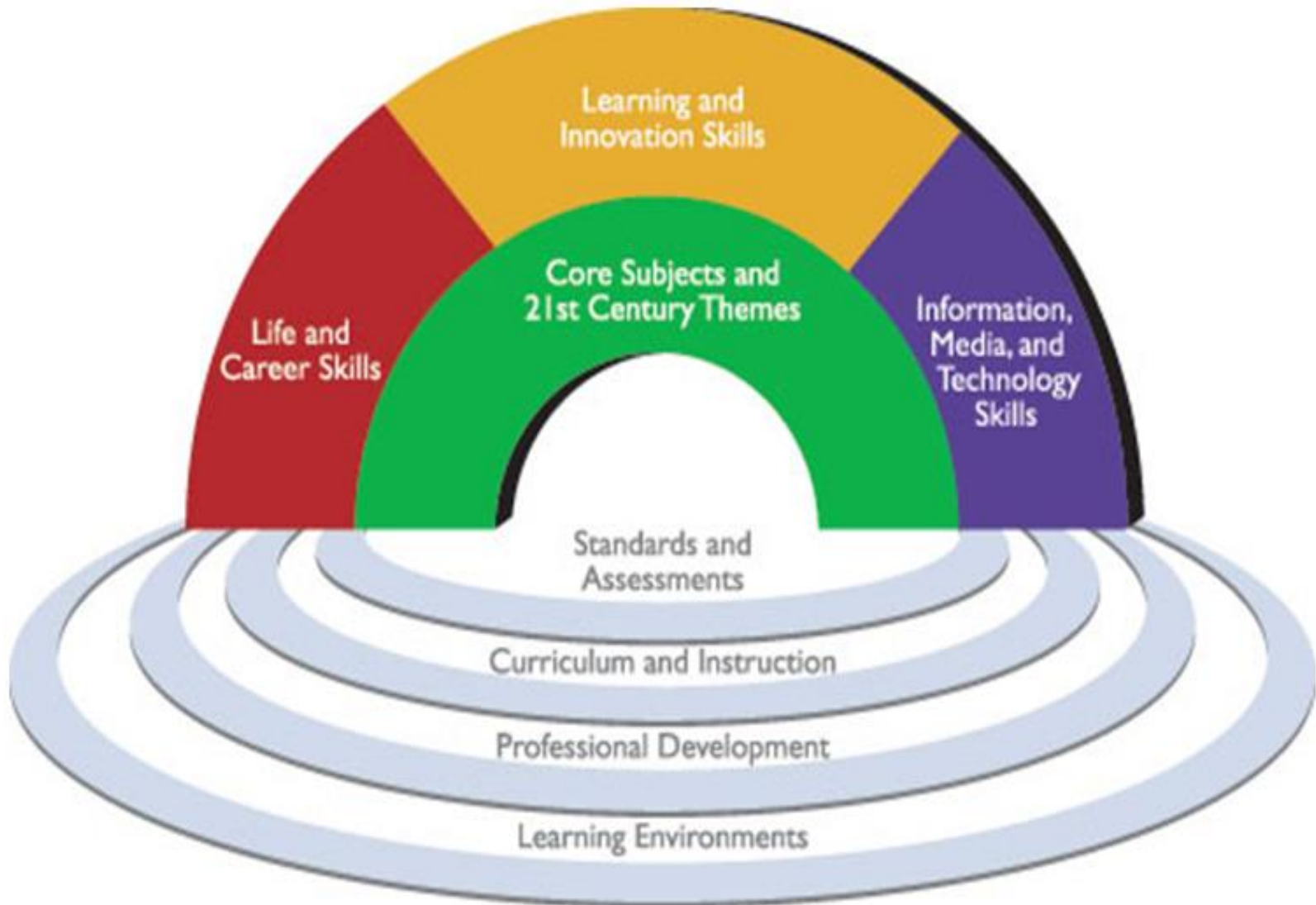


## 21<sup>st</sup> Century Skills

- Critical thinking
- Creativity
- Collaboration
- Communication

# Partnership for 21st Century Learning

<http://www.p21.org/>



# 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

learning is  
**PERSONAL**



# Dunn and Dunn Learning Style Model

Designed By Dr. Rita Dunn and Dr. Kenneth Dunn

Graphic Design by Susan M. Rundle

## STIMULI

## ELEMENTS

### Environmental

Sound



Light



Temperature



Seating



### Emotional

Motivation



Responsibility/  
Conformity



Task  
Persistence



Structure



### Sociological

Self



Pair



Peers



Team



Adult



Variety



### Physiological

Perceptual



Intake



Time of Day



Mobility



### Psychological

Analytic



Global



Reflective



Impulsive



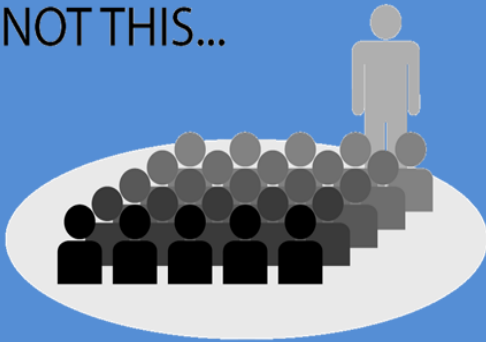




**School of ONE**  
New York City, NY



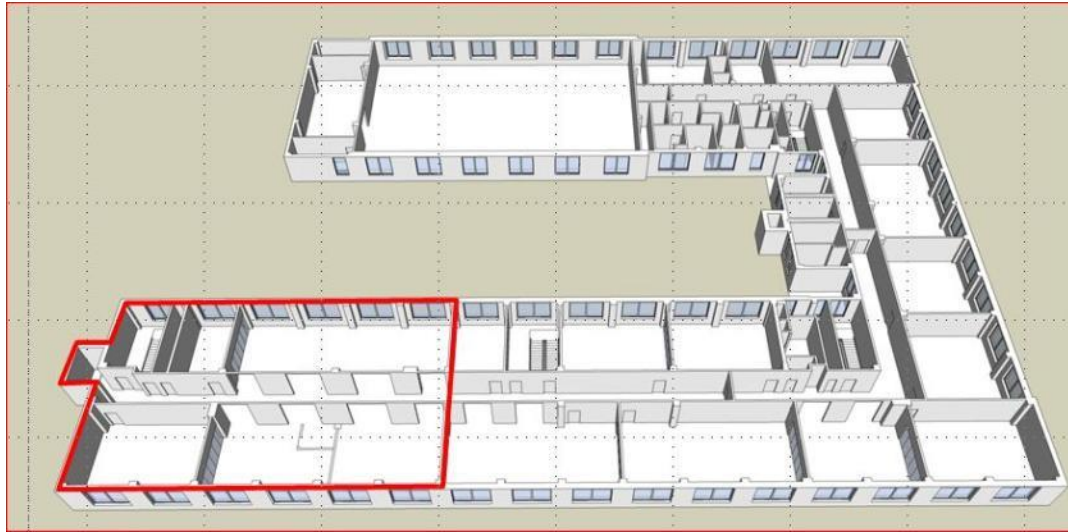
NOT THIS...



THIS...



# SCHOOL OF ONE





learning happens  
**EVERYWHERE**



**Alexandria Area High School**  
Alexandria Public Schools, Alexandria MN







**FAIR School Downtown**  
Minneapolis, MN

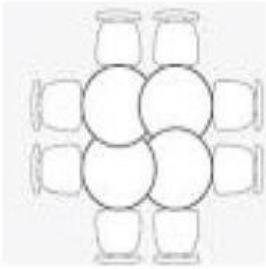




**Institute of Science & Technology**  
Aurora, CO

**flexibility and  
ADAPTABILITY**

# learning studios



We believe in forming spaces that **form ideas.**



Variety of spaces for  
**all learning  
styles.**



Creating your unique

## kit of parts.







Surfaces that are **multifunctional.**

## small group



Vertical display surfaces encourage **ideation and interaction.**



Designed to support information sharing  
—whether it's an individual or a group of peers conversing



# gathering space

encourages  
mixing and mingling



enables presentations,  
group instruction  
and learning



Acts as the vibrant and dynamic heart of the landscape-







**Alexandria Area High School**  
Alexandria Public Schools, Alexandria MN



**Alexandria Area High School**  
Alexandria Public Schools, Alexandria MN





**Alexandria Area High School**  
Alexandria Public Schools, Alexandria MN

**COLLABORATION**





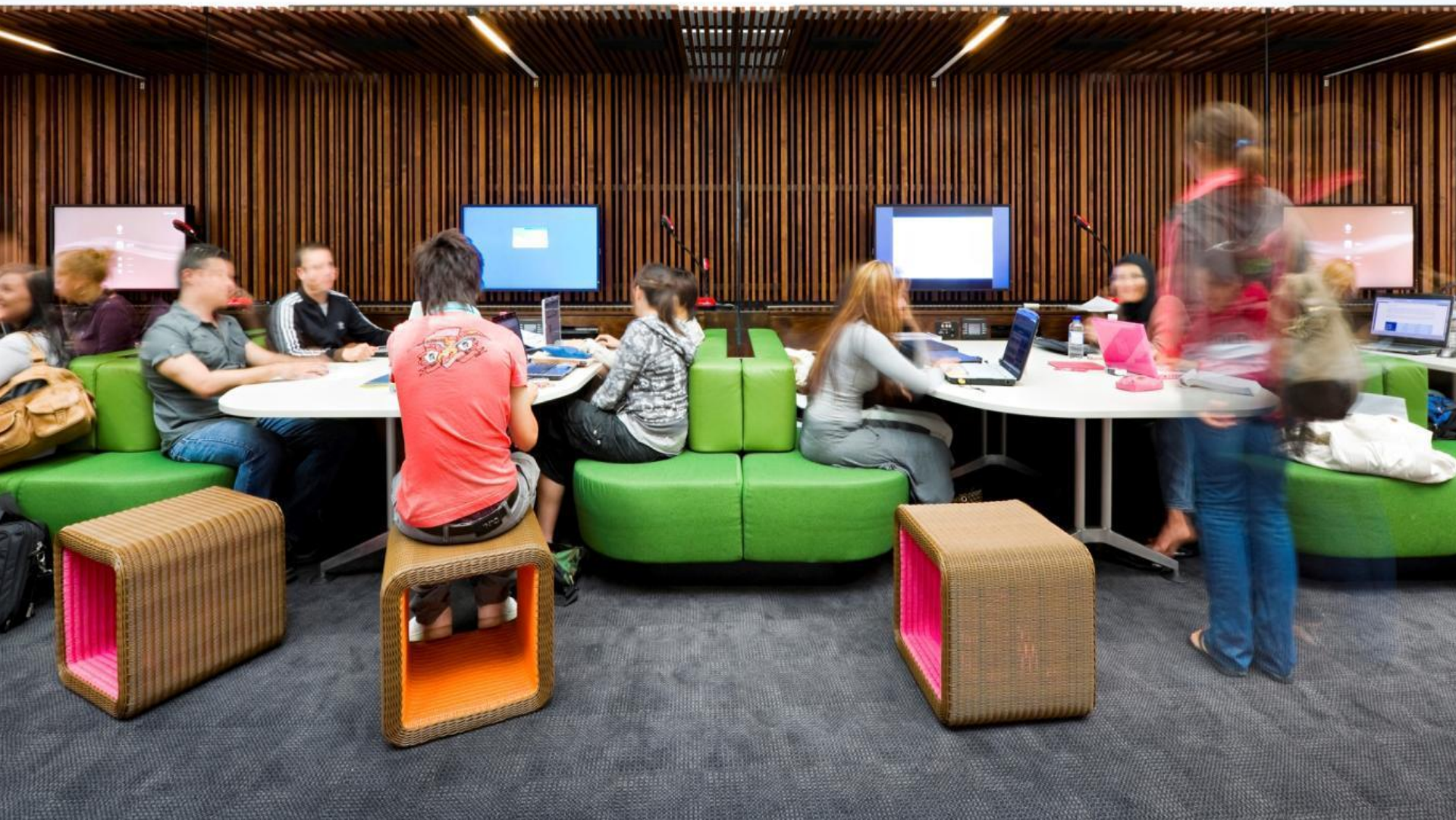
**FAIR School Downtown**  
Minneapolis, MN





**Alexandria Area High School**  
Alexandria Public Schools, Alexandria MN



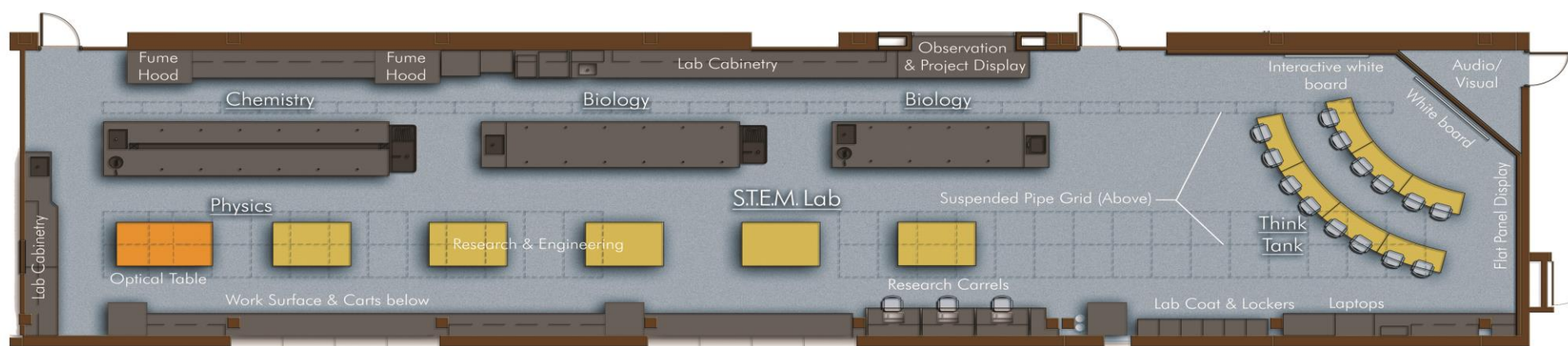




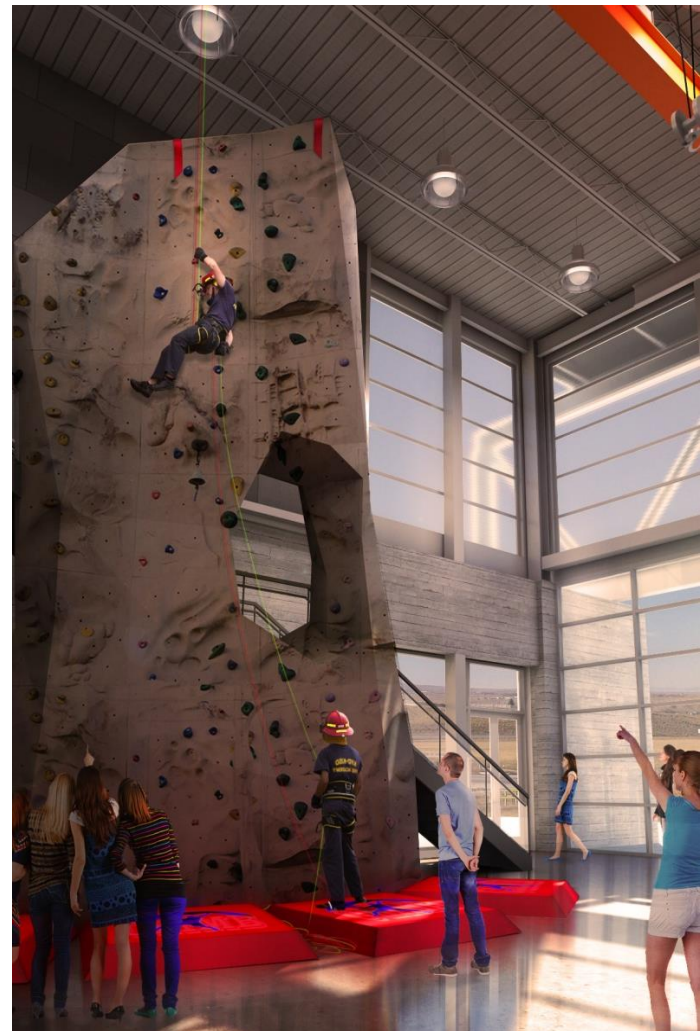


# project based **LEARNING**







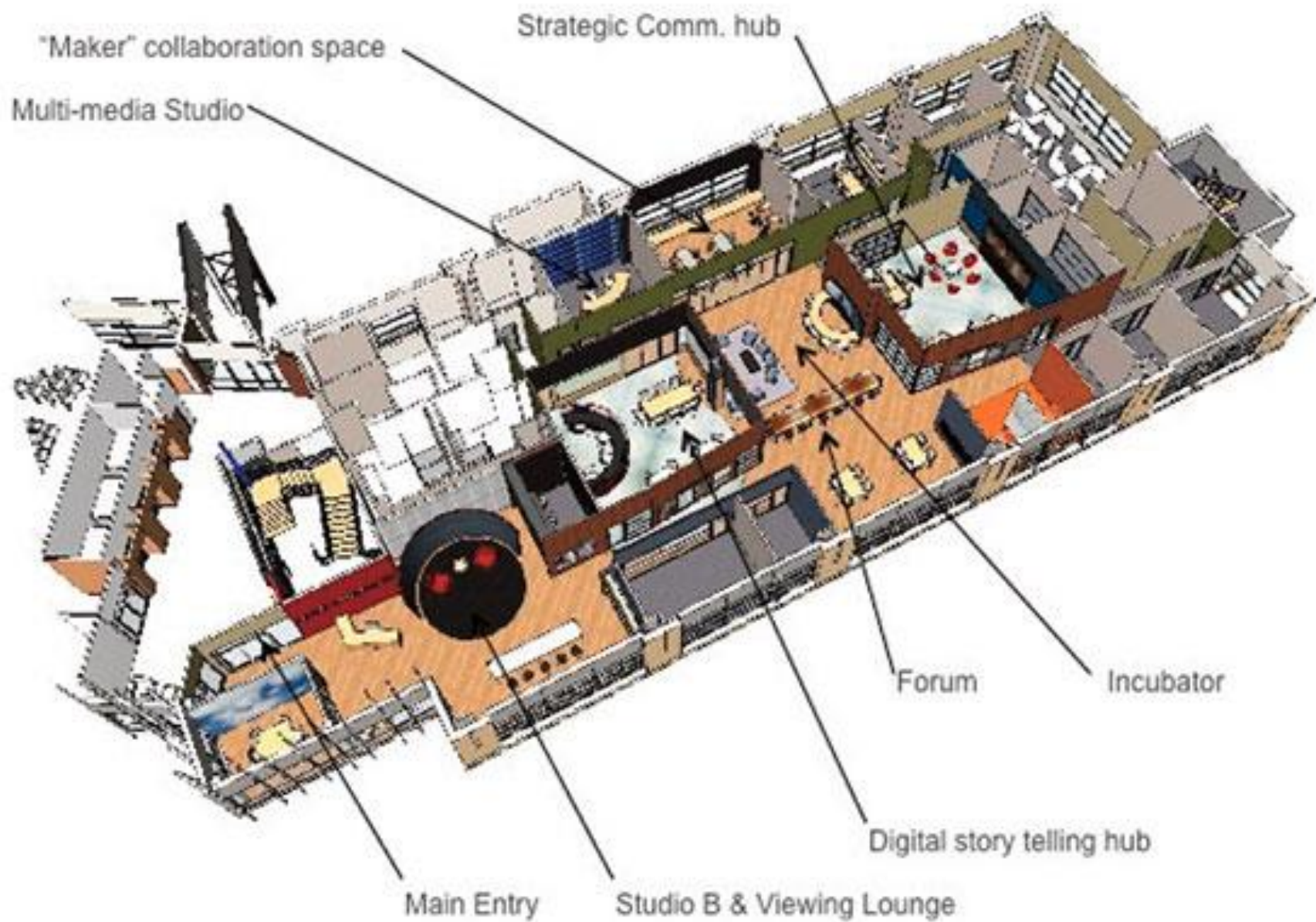


## **New High School Campus: Pathway Innovation Center & Roosevelt HS**

Natrona County School District, Casper WY









**TECHNOLOGY**



9:15 AM

SciApp

SCIENCE ROOM 04

## BRIDGE THE GAP

Great Science Fair

Science Fair Project



Mr. Rubin  
300 South Street

Spring, May 14  
9:15 AM

Question of the Day  
Strongest type of bridge?



Answers  
True

Calendar

Class Resources

Announcements

Class Duties





## **New High School Campus: Pathway Innovation Center & Roosevelt HS**

Natrona County School District, Casper WY



**HOMeworkK**  
HOMeworkK



**PROVOCATIONS:**

**High Tech High  
& IDEA Videos**

REFLECTIONS  
REFLECTIONS

# **A DAY IN THE LIFE:**

**Imagine you are a student, teacher, parent, or community member...**

- What does learning look like after this project is completed?**
- What are you doing, with whom, and where?**

**Capture your thoughts in a story.**

# SCHEDULE

COMMUNITY  
ENGAGEMENT

March-May 2016

DESIGN  
DEVELOPMENT

May-August 2016

DOCUMENTATION  
& BIDDING

Aug. - Dec. 2016

CONSTRUCTION

Spring 2017 Start



# Next Steps....

## Where are we?

### WORKSHOP 1

To orient the School Design Committee to their charge and the framework of the FMP to date including the Facilities Vision, Principles, Standards and the priorities and project scope identified for Como High School.



#### ACTIVITIES

- Introduction to process and conceptual scope
- Small Group work on what's special about Como High School

## Envisioning the Future

### WORKSHOP 2

April 21  
4-6 pm



#### GOAL

To provide and explore examples of what learning environments could look like to support 21st century learning.



#### ACTIVITIES

- Introduction to what others are doing
- How do facilities impact learning?
- Small Group work

## What Do We Want?

### WORKSHOP 3

April 28  
4-6



#### GOAL

Program and adjacency exploration/validation



#### ACTIVITIES

- Review of space, program and what's included
- Design thinking hands-on exercise
- Report back and next steps

## Synthesis & Design Validation

### WORKSHOP 4

May 12  
4-6



#### GOAL

Conceptual Design Validation



#### ACTIVITIES

- Report back outcomes of Workshop 3
- Synthesis: Presentation of conceptual design
- Small Group discussion
- Report back and next steps



# Resources

**External:** Food for Thought videos  
examples found on  
[www.pinterest.com/meg0239](http://www.pinterest.com/meg0239)

**Internal:** <http://www.spps.org/fmp>



CUNNINGHAM  
GROUP

# REFLECTIONS



CUNNINGHAM  
G R O U P



Saint Paul  
PUBLIC SCHOOLS

A World of Opportunities