

Hyde Park Central School District

Strategic Planning Update & Background

Presented by: The District Leadership Team

The Hyde Park Central School District empowers our community to strive for excellence and embrace the opportunities of our globally connected world.

HPCSD Strategic Planning Update & Background

- On January 22, 2015, the Superintendent presented:
 Envisioning the Future of HPCSD
- Moving from the “silo” method of planning to true strategic planning
- Examination of our mission/vision combined with educational trends and shifts
- Formation of Strategic Planning Committee
(District Leadership Team)- kick-off meeting April 27, 2015
- Full committee developed the current strategic coherence plan
(on website) in 2015-2016
- For 2016-2017, the DLT focused on two areas:
 - 1) Implementation plan for incorporating the 4Cs into our instructional program
 - 2) Preparing a recommendation for the next capital project

DLT Process (2016 - 2017)

- Meeting Dates: 9/21, 9/28, 10/19, 10/26, 12/14, 1/11, 2/15, 3/21, 3/29, 4/19, 5/22, and 5/31
- Reviewed prior Facilities Steering Forum (FSF) commitments
 - The DLT determined to honor the previous commitment to renovate science labs
- Reviewed Building Condition Survey (BCS) priority ratings
- Reviewed current debt service
- Reviewed current status of existing capital projects
- Received updates on instructional progress of the Strategic Coherence Plan (SCP)

DLT Process (2016 - 2017)

- Toured science labs at FDR HS, HMS, and Vassar College, and reviewed prior science lab needs list
- Initiated theoretical conversations for future capital project considerations: instructional, structural, and financial
- Completed a SWOT analysis for six scenarios
- Analyzed results from SWOT analysis
- Examined financial options for funding future capital projects
- Prepared presentation for Board of Education

Hyde Park Central School District

Our Vision

We are confident, curious and courageous learners who change the world.

Our Mission

The Hyde Park Central School District empowers our community to strive for excellence and embrace the opportunities of our globally connected world.

Strategic Coherence Plan - Update

- 2015-2016 - Strategic Coherence Plan (SCP)
 - Adopted Mission/vision statements, profile of a graduate, and adoption of the 4Cs, and determination to begin with Critical Thinking Skills
- 2016-2017 - SCP Implementation
 - 1st year implementation/roll out beginning September 6, 2017 to all staff.
 - All instructional staff introduced/trained in an overview of the 4Cs – Critical Thinking, Communication, Collaboration, Creativity
 - Development of protocols to link professional development, selection of new programs and curriculum writing to the 4Cs

Strategic Coherence Plan – Update cont.

- 2017-2018
 - SCP roll out to students and community. Introduction to the 4Cs generally and critical thinking specifically.
 - Continue staff development on the use of the critical thinking rubric
 - Staff to determine first round of incorporating the critical thinking rubric as an assessment for learning

Critical Thinking as a basis for designing new science Labs

- Critical Thinkers©:
 - Collect, assess and analyze relevant information.
 - Reason effectively.
 - Use systems thinking.
 - Make sound judgements and decisions.
 - Identify, define and solve authentic problems and essential questions.
 - Reflect critically on learning experiences, processes and solutions.

Current science labs do not support critical thinking skills.

- Due to poor, out dated and non-functioning lab equipment, some science labs are prescribed rather than set up as experiments. It puts severe constraints on the ability to conduct inquiry based learning. Currently, the students often can only mimic the process in a science experiment.
- Authentic experimentation is inhibited by non-working lab stations.
- Space for collaboration during research is limited due to classroom layout and the lack of separation of dry/wet lab spaces.
- Judgments and decisions about labs are made by incorporating what the labs can't do vs. working with labs that are functional and fully equipped.

Design of New Science Labs

- If the project moves forward, and the vote to build new labs passes...
 - Architects and engineers will be provided with a copy of our Strategic Coherence Plan and a copy of the critical thinking rubric.
 - Students and staff will work directly with the architects and engineers to design science labs and spaces that incorporate the 4Cs and a digitally rich learning environment.
 - Preparation for college and career readiness requires that students have access to modern equipment vs. broken, defunct, and obsolete equipment. For example, you would not teach students how to program on a computer from 1965.

Hyde Park Graduates will be:

- **Responsible Individuals** who respect themselves and others through healthy lifestyles and positive community relationships.
- **Self Directed Life-Long Learners** who understand and appreciate learning
- **Critical Thinkers** who anticipate, identify and evaluate issues and use multiple resources to solve problems in a variety of contexts.
- **Involved Citizens** who demonstrate knowledge, skills, attitudes and values necessary for full participation in a variety of ways.
- **Cooperative Participants** who, in working groups, accomplish goals and tasks while appreciating individual contributions.
- **Culturally Appreciative Persons** who value arts and humanities in their diverse forms and who respect creative expression of interests, talents, experiences and historical appreciation.
- **Mathematically, Scientifically and Technologically Competent People** who apply the skills and strategies of mathematics, science and technology to everyday tasks and problems.



STUDENT A

**MATH
SCIENCE
ENGLISH
SOCIAL STUDIES**



STUDENT B

**CONTENT MASTERY
CRITICAL THINKING
COMMUNICATION
COLLABORATION
CREATIVITY**



2015 Building Condition Survey (BCS)

Synopsis & Statistics

(completed April 2016)

Total Anticipated Project Budget to complete all BCS items rated with an estimated useful life of 1 – 5 years: \$33,987,800

Hyde Park's newest building is NPE, currently 50 years old
Our oldest buildings, HMS, VAS, and HPE are currently 78 years old

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Are we currently physically built to best achieve our mission?

BCS Synopsis & Statistics

Based on survey responses per the National Center for Education Statistics

“Condition of America’s Public School Facilities 2012-2013” report:

- **53%** of public schools needed to spend money on repairs, renovations, and modernizations to put the school’s onsite buildings in good overall condition.
- The total amount needed was estimated to be approximately **\$197 billion**, and the average dollar amount for schools needing to spend money was about **\$4.5 million per school**.

Per the US Environmental Protection Agency*:

- Schools without a major maintenance backlog have a **higher average daily attendance (ADA)** by an average of **4 to 5 students per 1,000** and a **lower annual dropout rate** by **10 to 13 students per 1,000**.
- Test scores uniformly increase as building conditions improve;
Test scores can increase by 3% to 17%.

Potential Scope of Work

Science Lab Renovations (FDR, HMS)

- From 2010 to 2017:
 - Number of AP science classes increased from 3 to 5
 - Number of students in AP science courses increased from 63 to 117
- The original main section of FDR HS (where current science labs are located) was completed in 1965:

“Our science labs were built before man first landed on the moon!”

Potential Scope of Work

FDR High School PODS

- FDR PODS are the 300, 400, 500, and 600 sections of FDR HS added to the main building in 1977.
- Notable issues pertain to HVAC, plumbing, and structural components (e.g. semi-permanent classroom walls).
- 5 out of the 18 BCS items noted in our summary of 1-5 year expected useful life issues pertain to FDR PODS section.

Potential Scope of Work

HVAC Equipment Renovations

- Sites include: FDR HS (main section), North Park Elementary, Netherwood Elementary, Ralph R. Smith Elementary, Violet Avenue Elementary, and Haviland Middle School C-Section (not included in Phase 4A capital work).
- Most HVAC classroom equipment in these buildings dates back to original construction (most more than 50 years old).
- Project would improve building ventilation and indoor air quality throughout all district schools.

Potential Scope of Work

HVAC Equipment Renovations

- The vast majority of HVAC equipment throughout the district is a original to building construction.
- Over the last four years, all indoor air quality tests performed in the district recommend upgrading HVAC equipment to improve air quality and ventilation.
- **Heat distribution throughout the school buildings is highly inconsistent.**
- Boilers throughout the district were replaced, but original distribution and room equipment is 50-70 years old.

Summary of Potential Scope of Work

- Science Lab Renovations at FDR (renovation of pods) & HMS
- HVAC (FDR, NPE, RRS, VAS, NES, HMS C-Section)

Tentative Timeline for Next Steps

- **May 2017:** BOE presentation for project scope discussion
- **May / June 2017:** Architect / Engineering firm search (RFP)
- **Summer 2017:** Architect / Engineering firm develops project scope & budget and presents to BOE
- **September 2017:** District Financial Advisors present to BOE
- **October 2017:** BOE adopts project resolution
- **December 2017:** Capital Project Vote