Holyoke Community Charter School

Master Plan

January 2016

P- Three was retained by **Holyoke Community Charter School** (HCCS) to develop a Master Plan which examines the potential placement of buildings and athletic fields on the existing campus located at 2200 Northampton Street, Holyoke, MA.

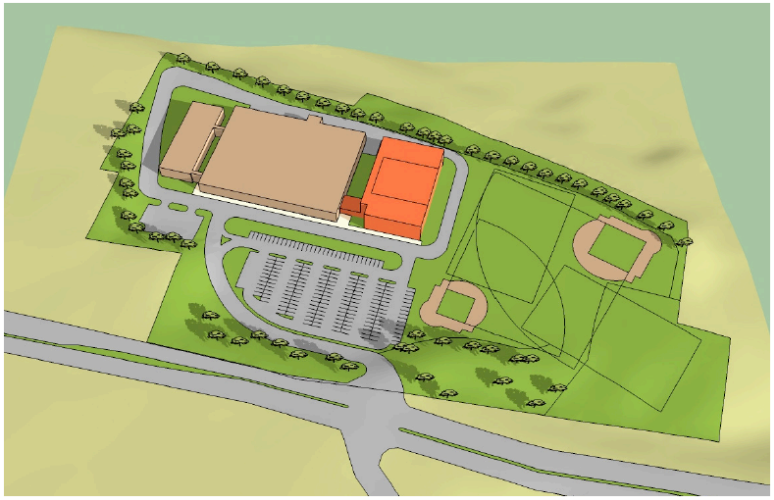
As HCCS looks toward the future, they determined that the addition of grades 9 through 12 to their current kindergarten through grade eight program may become possible if there are legislative changes to allow a greater number of Holyoke students to attend the HCCS. If this occurs, HCCS would like to add the appropriate educational facilities to serve an increased enrollment. This Master Plan study identifies the required facilities and presents planning options to meet space and facility needs. With this report two Master Plan options are presented which meet these requirements, although with variations. Both options will greatly aid in strategic planning for Holyoke Community Charter Schools' future and in the potential for adding high school grades to the school.

In developing the two options, we conducted an analysis of the existing conditions of the site and developed a projection of the future space needs should the school add grades 9-12. In conducting the analysis, it was important to provide adequate space and resources to accommodate future growth in enrollment, as well as other future space needs based on the vision and objectives of the Holyoke Community Charter School.

The **primary objectives** of the Holyoke Community Charter School as conveyed to P-Three by the School are as follows:

- To provide adequate classroom and support space to accommodate the addition of 400 high school students, grades 9 through 12.
- To provide an appropriately sized gymnasium and support facilities to be used not only for HCCS students but also for potential rental income.
- To provide appropriate outdoor athletic fields and recreational areas.

By studying these primary objectives and comparing them with our analysis of the physical conditions, and the current educational and support spaces, we were able to define the deficiencies that need to be addressed in order to best meet the vision of the school and bring them well into the future.



The **space needs analysis** revealed the need to add a high school facility housing approximately 66,645 square feet. The specific number and size of all of the spaces is identified in the Proposed Space Summary included in this report.

The athletic fields desired consist of a hardball field, a softball field, a practice and game soccer field. Grade specific recreational areas are also desired for four age groups.

After careful analysis we have developed two separate Master Plan options. Both strive to take into account the space needs and desires of the school, as well as the physical constraints of the site and existing buildings.

The two **Master Plan Options** developed will provide the required academic and athletic facilities with some variations.

Master Plan Option 1 stays within the existing land owned by HCCS. Doing so results in a moderately lower development cost and does not involve the purchase of additional land. It does however, sacrifice some of the athletic areas desired. It lacks a practice soccer field and it lacks three of the four outdoor recreation areas.

Master Plan Option 2 requires the purchase of the adjacent property, resulting in a slightly higher development cost.

	total population	~ cost
Master Plan Option 1	1102	24.75 M
Master Plan Option 2	1102	25.04 M

(Option 2 cost does not include land purchase)

The two master plan concepts developed and presented in this report for Holyoke Community Charter School endeavor to meet the vision and desires of the school but do so in different ways and with varying degrees of success.

Master Plan Option 1, although slightly less costly, sacrifices future flexibility and provides for fewer opportunities to develop athletic fields. The connection and relationship of the high school addition to the existing building and the athletic fields is not as desirable as it could be. The south facing wall of the gymnasium and cafeteria would become the front "face" of the school which results in less visibility from Northampton Street. It also presents a façade, which is lacking character, as the building front.

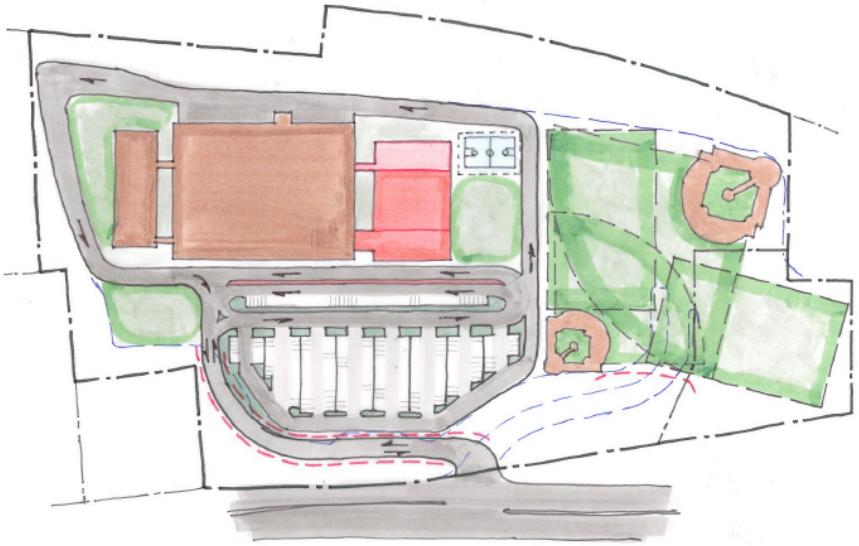
Due to the site constraints, the athletic fields in this option are separated from the school building by the main entry drive and parking lot which is not the most appropriate site organization. The lower cost of this option needs to be weighed against the less than desirable elements to determine if the savings are worth the sacrifices.

Master Plan Option 2 includes the purchase of the adjacent property and as a result, is more costly than Option 1. This option, however, provides more athletic fields including a practice soccer field and an outdoor basketball court in addition to the fields in Option 1. The relationship of the high school addition to the existing building and the athletic fields is more appropriate as is the vehicular site circulation. Improved visibility from Northampton Street is addressed in this option.

We recommend that the Holyoke Community Charter School purchase the adjacent property and develop the site as indicated in Master Plan Option 2. This approach will maximize the ability of the school to plan for future expansion and provide the appropriate athletic fields, site circulation and academic spaces to serve the desired high school population of 400 students.

Option 1 and Option 2 are designed in a manner that the Gymnasium can be constructed independently of the Classroom Blocks. This flexibility will allow the Trustees to construct in phases if they so choose.

Master Plan Concept 1



Master Plan Concept 2

Holyoke Community Charter School Administration

Dr. Sonia Correa Pope, Director

Joseph Dougherty, Facilities Director

Thomas Paquin, Director of Operations

Holyoke Community Charter School Board of Trustees

Mrs. Anne Darcy, Chairwoman

Jay Breines

Cynthia Dennis

Leona Florek

Mark Lubold

Gail Pisacane

Paul Santaniello

Based on the curriculum requirements of HCCS and the anticipated grade 9 through 12 potential enrollment of 400, we have developed the Educational Programming charts included in this section of the report.

The proposed high school would operate based on an eight period day with a five day cycle which is reflected in the calculations of each subject offered in the curriculum.

In summary, the educational spaces required to offer the desired curriculum to a high school population of 400 is as follows:

General Classrooms	13
Science Laboratories	3
Art Rooms	1
Music Rooms	1
Small Group/SPED Rooms	3
Testing Room	1
Health Education Room	1
Gymnasium	1

Subject	Required X	Scheduling Factor =	TOTAL	Classrooms Required
STANDARD CLASSROOM TOTALS				
Method 1				
English	1.77			
Social Sciences	1.30			
Math	1.77			
World Languages	1.67			
Electives	1.67			
Total	8.18	1.25	10.23	**11**
Method 2				
English			3	
Social Sciences			2	
Math			3	
World Languages			3	
Electives			3	
Total			14	**14**

***Method 1** All general high school classrooms factored in together.

***Method 2** All general high school classrooms calculated together by main subject.

English	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Decoding the Language from Printed Form	50	30	1.67	5	8.33	40	0.21			
Gr. 9H Decoding the Language from Printed Form	50	24	2.08	5	10.42	40	0.26			
Gr. 10 Comprehending What Is Read and Developing an Ever-Expanding Vocabulary	50	30	1.67	5	8.33	40	0.21			
Gr. 10H Comprehending What Is Read and Developing an Ever-Expanding Vocabulary	50	24	2.08	5	10.42	40	0.26			
Gr. 11 Reading Widely from the Best Available Literature	100	30	3.33	5	16.67	40	0.42			
Gr. 12 Writing for Effective Communications	100	30	3.33	5	16.67	40	0.42			
Total # Seats	**400**					**Total**	**1.77**	1.25	2.21	**3**

Social Sciences	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 U.S. History I	100	30	3.33	5	16.67	40	0.42			
Gr. 10 U.S. History II	100	30	3.33	5	16.67	40	0.42			
Gr. 11 World History	50	30	1.67	5	8.33	40	0.21			
Gr. 11 AP World History	50	24	2.08	5	10.42	40	0.26			
Total #Seats	**300**					**Total**	1.30	1.25	1.63	**2**

Math	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Algebra & Geometry	50	30	1.67	5	8.33	40	0.21			
Gr. 9H Algebra & Geometry	50	24	2.08	5	10.42	40	0.26			
Gr. 10 Algebra & Geometry	25	30	0.83	5	4.17	40	0.10			
Gr. 10H Algebra & Geometry	50	24	2.08	5	10.42	40	0.26			
Gr. 10 Precalculus Parts 1&2	25	30	0.83	5	4.17	40	0.10			
Gr. 11 LA College Algebra Part 1	50	30	1.67	5	8.33	40	0.21			
Gr. 11 Precalculus Parts 1&2	50	30	1.67	5	8.33	40	0.21			
Gr. 12 Statistics	50	30	1.67	5	8.33	40	0.21			
Gr. 12 Precalculus Parts 1&2	50	30	1.67	5	8.33	40	0.21			
Total #Seats	**400**					**Total**	1.77	1.25	2.21	**3**

World Languages	Students Enrolled in Class		Class Size	=	Sections	X	Sessions Per Week	=	Total Sessions	÷	Periods Per Week	=	Required	X	Scheduling Factor	=	TOTAL	Classrooms Required
Gr. 9 Language A	100		30		3.33		5		16.67		40		0.42					
Gr. 9 Language B	0		30		0.00		5		0.00		40		0.00					
Gr. 10 Language A	100		30		3.33		5		16.67		40		0.42					
Gr. 10 Language B	0		30		0.00		5		0.00		40		0.00					
Gr. 11 Language A	100		30		3.33		5		16.67		40		0.42					
Gr. 11 Language B	0		30		0.00		5		0.00		40		0.00					
Gr. 12 Language A	100		30		3.33		5		16.67		40		0.42					
Gr. 12 Language B	0		30		0.00		5		0.00		40		0.00					
Total #Seats	**400**										**Total**		1.67		1.25		2.08	**3**

Electives	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Electives	100	30	3.33	5	17	40	0.42			
Gr. 10 Electives	100	30	3.33	5	17	40	0.42			
Gr. 11 Electives	100	30	3.33	5	17	40	0.42			
Gr. 12 Electives	100	30	3.33	5	17	40	0.42			
Seat Count:	400					Total	1.67	1.25	2.08	**3**
Other										
Computer Programming *(1Term)*	100	30	3.33	5	0.67	160	0.00			
Seat Count:	100/yr. or 25/Term					**Total**	0.004167	1.25	0.005208	**1**
Recommended Computer Labs:	400 Students: 2 Labs									

Music	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Music *(Required)*	100	30	3.33	5	16.67	40	0.42			
Gr. 10 Music Elective	25	30	0.83	5	4.17	40	0.10			
Gr. 11 Music Elective	30	30	1.00	5	5.00	40	0.13			
Gr. 12 Music Elective	40	30	1.33	5	6.67	40	0.17			
Seats	**195**					**Total**	0.81	1.25	1.02	**2**
Band	50	50	1.00	5	0.20	40	0.01	1.25	0	**1**

Visual Art	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Visual Art Elective	100	30	3.33	5	16.67	40	0.42			
Gr. 10 Visual Art Elective	100	30	3.33	5	16.67	40	0.42			
Gr. 11 Visual Art Elective	100	30	3.33	5	16.67	40	0.42			
Gr. 12 Visual Art Elective	100	30	3.33	5	16.67	40	0.42			
Seats	**400**					**Total**	1.67	1.25	2.08	**3**

Electives	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Electives	100	30	3.33	5	17	40	0.42			
Gr. 10 Electives	100	30	3.33	5	17	40	0.42			
Gr. 11 Electives	100	30	3.33	5	17	40	0.42			
Gr. 12 Electives	100	30	3.33	5	17	40	0.42			
Seat Count:	400					Total	1.67	1.25	2.08	**3**
Other										
Computer Programming *(1Term)*	100	30	3.33	5	0.67	160	0.00			
Seat Count:	100/yr. or 25/Term					**Total**	0.004167	1.25	0.005208	**1**
Recommended Computer Labs:	400 Students: 2 Labs									

Science	Students Enrolled in Class	Class Size =	Sections X	Sessions Per Week =	Total Sessions ÷	Periods Per Week =	Required X	Scheduling Factor =	TOTAL	Classrooms Required
Gr. 9 Biology	100	30	3.33	5	17	40	0.42			
Gr. 10 Chemistry	100	30	3.33	5	17	40	0.42			
Gr.11 Physics	50	30	1.67	5	8	40	0.21			
Gr. 11 Anatomy & Physiology	25	30	0.83	5	4	40	0.10			
Gr. 11 Advanced Biology	25	30	0.83	5	4	40	0.10			
Gr. 12 Environmental Science	50	30	1.67	5	8	40	0.21			
Gr. 12 Health Science	25	30	0.83	5	4	40	0.10			
Gr 12 AP Biology	25	24	1.04	5	5	40	0.13			
Total #Seats	**400**					**Total**	1.69	1.25	2.12	**3**
Sceince Lab Needs:	Biology									
	Chemistry									
	Physics									

The proposed space summary includes all of the spaces identified in the educational programming charts as well as support and administrative facilities. The net areas are totaled and circulation (both horizontal and vertical), mechanical and toilet rooms are taken into account via the addition of a grossing factor. This process results in a total building square footage of approximately 66,645.

Holyoke Community Charter School	PROPOSED NEW		
ROOM TYPE	ROOM NFA[1]	# OF RMS	AREA TOTALS
CORE ACADEMIC SPACES			**24,220**
Classroom - General	1,000	13	13,000
Testing Center	2,800	1	2,800
Teacher Planning	500	1	500
Small Group (5-15 Students) SPED &/or conference rooms	400	3	1,200
Science Classroom / Lab	1,440	3	4,320
Prep Room	200	2	400
Student Life Center	2,000	1	2,000
ART & MUSIC			**2,900**
Art Classroom	1,200	1	1,200
Art Storage/Kiln Room	100	2	200
Music Room	1,200	1	1,200
Music Storage & Practice	100	3	300
HEALTH & PHYSICAL EDUCATION			**20,300**
Gymnasium	12,000	1	12,000
Fitness Room	2,000	1	2,000
Gym Storeroom	300	1	300
Locker Rooms - Boys / Girls w/ Toilets	2,500	2	5,000
Wellness/Health Center Room	1,000	1	1,000
ADMINISTRATION & GUIDANCE			**1,310**
Adminitrative Suite			
Reception	200	1	200
Exectutive Director's Office w/ Conference Area	350	1	350
Administrative Manager	120	1	120
Admissions Officer	120	1	120
Academic Quality Controller	200	1	
Student Management Office/Social Worker Suite			
Reception	150	1	200
Student Management Office	200	1	200
Social Workers Office	120	1	120
Total Building Net Floor Area (NFA)			**48,730**
Grossing Factor Notes: Health & Phys Ed does not need grossing factor added if two story with gym above. There-fore total building equals (48,730 minus 20,300) X 1.5 + 20,300			
Total Net Area minus Health & Phys Ed X 1.5			42,645
Total Health & Phys Ed = Gym Area X 2			24,000
Total Building Gross Floor Area (GFA)[2]			**66,645**

Prior to arriving at the two Master Plan concepts included in this report we explored many solutions. The solutions involved various massing configurations and relationships to the existing building.

The limiting factors which needed to be overcome were several. The site size is very limited and the need for athletic fields necessitate a building footprint which is as small as possible. The existing entry drive location limits the use of a sizable portion of the site as well.

Taking these factors into account we developed the two Master Plans shown.

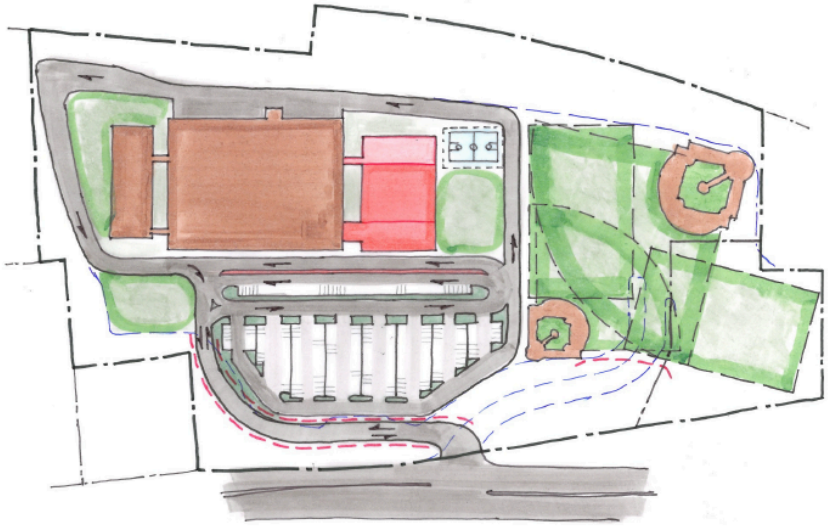
Master Plan Concept 1 works within the existing site ownership and maintains the current entry drive. The high school addition is to the east of the existing building and would be a three story structure. The gymnasium would be located on the second floor with locker rooms, a fitness room, storage rooms, and wellness/health center located on the first floor below the gymnasium. The gym structure would be connected to the existing building with a new main entry lobby. Flanking the gym to the north and east would be two, three story academic wings. A gallery connecting the entry lobby to the north wing would house a strategically located elevator and stair tower.

This concept provides the desired building area but is lacking in exterior athletic and recreational facilities. Although it does provide for the hardball field, softball field and one soccer field, it is lacking in segregated recreational areas. Another negative aspect of this concept positions the athletic fields on the other side of the main parking lot and pick-up and drop-off drives.

Master Plan Concept 2 requires the purchase of the adjacent parcel in order to meet the desired outdoor athletic facility objectives. The high school addition is placed to the south of the existing building maintaining a linear north-south axis for the school. The relocation of the access drive allows for the creation of a larger area for athletic fields and this concept has two soccer fields in addition to the hardball and softball fields.

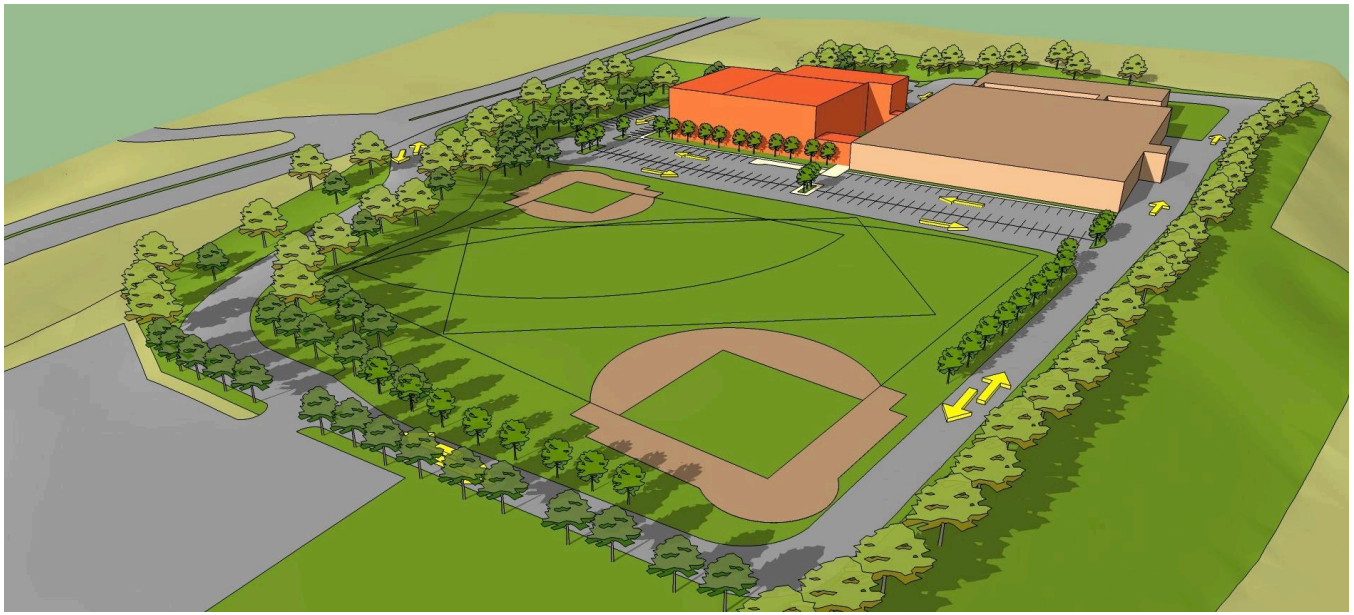
The gymnasium would be located south of the existing building and flanked on the east and west by three story classroom wings. A new main entry for the high school and gymnasium would be separate from the existing main entry which could remain as-is serving the lower school.

Master Plan Concept 1



Master Plan Concept 2

OPTION 1



OPTION 2

Option 1

Site	
hardscape	785,000
driveway (w/ retaining wall)	0
stormwater upgrades	485,000
fields/irrigation	1,350,000
Addition	
gymnasium/lockers	4,920,000
classroom areas	12,870,000
furniture, fixtures, equipment	840,000
information technology	780,000
Fees	
design	1,632,800
project management	612,300
Total	**$24,750,100**

Option 2

Site	
hardscape	680,000
driveway (w/ retaining wall)	1,200,000
stormwater upgrades	566,000
fields/irrigation	1,550,000
Addition	
gymnasium/lockers	4,920,000
classroom areas	12,870,000
furniture, fixtures, equipment	840,000
information technology	780,000
Fees	
design	1,688,280
project management	633,105
Total	**$25,044,885**

plus Land Purchase

The Holyoke Community Charter School (HCCS) Board of Trustees (BOT) seeks the development of a Master Plan which when completed will be used to facilitate high quality decisions concerning the use of land and placement of buildings on our present campus located at 2200 Northampton St. Holyoke MA. 01040.

Anticipated School Facility Development:

The BOT is anticipating the approval, by the Department of Elementary and Secondary Education (DESE), to grant licensure to expand our grade offering to include a High School Grades and Curriculum. Preliminary figures would suggest the following enrollment numbers.

An increase of enrollment of 165 students. For the purpose of this study the following variables should be addressed:

- Overall enrollment of 867 students
- Overall enrollment of 1052 students
- Overall enrollment of 1102 students

The Master Plan should also consider the possibility that licensure is not granted but the BOT would desire the construction of a Gymnasium with the capability of adding two additional floors in the future.

Enrollment Methodology:

- A four year period would be utilized to achieve full enrollment numbers
    - *Year One* = Present 8th grade students would become our 9th grade students
    - *Year Two* = Present 9th grade students would become our 10th grade students
    - *Year Three* = Present 10th grade students would become our 11th grade students
    - *Year Four* = Present 11th grade students would become our 12th grade students

Financial & Construction Consideration:

- Given the Enrollment Methodology to be used are there either construction and/or financial considerations that the BOT can be taken advantage. Please list and identify such advantages.

Other Considerations:

- What are the financial and construction implications if any for having a staggered enrollment
- Is there advantages gained with the purchase of Gillette Property and what would be a fair market value for such purchase.
- Should the entry road of the School Campus be changed to maximize the use of the existing acreage.

Athletic Fields:

- Can our campus be designed to accommodate the following athletic fields
    - Hardball Diamond
    - Softball Diamond
    - Soccer fields both Practice & Game
    - Recreation areas that are grade specific (K thru 2nd), (3rd thru 5th), (6th thru 8th), (9th thru 12th).

Room Requirements:

- *Sixteen academic classrooms* large enough to house 32 students (i.e. 1,100 square feet)
    - Each classroom will require a Promethean Board which will be mounted in the front center of the classroom
    - White Board will be hung next to the Promethean Board
    - Two Cork Boards will be hung on side and rear walls. (Taking into account those walls which will have windows for outside light)
    - Each classroom will have a phone jack located next to exit door mid wall. This jack will be of a design to accommodate a wall phone
    - A space will be provided for a teacher's desk either on a side wall or the back wall of classroom which will be equipped with electrical and data capabilities
    - Each classroom will be equipped with a clock/intercom system
    - Bells will be designed in a fashion that each room can accommodate individual programing

- *Science Laboratories*

    - Two Labs will be equipped with the mandated safety precautions for a High School Chemistry Laboratory
    - One Laboratory will be equipped for a combination Physics/Biology curriculum
    - The above rooms will require a Promethean Board located in the center of the front wall
    - White Boards located on the front wall next to Promethean Board
    - One Cork Board located in the back wall of the room
    - One additional White Board to be located on a side wall
    - A space will be provided for a teacher's desk either at the rear wall or side wall equipped with the electrical and data capabilities
    - Each classroom will have a phone jack located next to exit door mid wall. This jack will be of a design to accommodate a wall phone

- *Testing Center*

    - This room will be large enough to accept 96 Downview Desks equipped with internet capabilities for each station
    - A Promethean Board will be mounted in the front center of the classroom (may require more than one monitor)
    - A space will be provided for a teacher's desk in the front of the room equipped with internet/data and electrical jacks. This desk will be an L-shaped desk with an extension for a printer

- *Administrative Suite*

    - An Office for the Schools Executive Director large enough to accommodate a conference table
    - A Reception Area with staff accommodations
    - Two mid-size offices for Administrative Manager and Admissions Officer
    - Staff Bathroom Facility
    - Academic Quality Controller Office equipped in the same manner as standard office

- *Student Life Center*

  - SLC should be the size of two standard classrooms
  - Equipped with 12 computer stations
  - Conference table large enough to accommodate 12 students
  - An area for an L-shaped desk with a telephone, data, and internet capability
  - A Promethean Board should be mounted in the center of the front wall of the SLC
  - Adjacent to the Promethean Board a White Board
  - A White Board on each of the Side walls of the room
  - Cork Board on the rear wall of the SLC
  - Two College Guidance Offices

- *Student Management Office/ Social Worker Suite*

  - SMC's office should be equipped similar to the other administrative offices
  - In House Classroom should be adjacent to the SMC's office and should be equipped with the same teaching equipment as general teaching classroom
  - Social Workers Office equipped the same as other offices described

- *Gymnasium Suite*

  - A Basketball Court which meets all High School regulations. It should be lined with the volley ball etc. activities
  - An Exercise Room sufficient to house physical fitness equipment for students and staff
  - Locker Rooms and showers for both men and women
  - Wellness/health Center Room equipped as a teaching classroom

Other Considerations:

- Work to be performed as part of our Capital Improvement Plan which will be performed by the General Contractor but funded through our Capital Improvement Plan
    - Transformation of the existing Gym to a Cafeteria/Auditorium equipped with a stage
    - Replacement of Skylights in Garden Room with Skylights with electronic shade control
    - Upgrade of Fire Alarm system in existing building with voice capabilities to meet Code

Holyoke Community Charter School

Curriculum

Graduation Requirements for students attending the Holyoke Community Charter School (HCCS)

English: Required all four years.

Math: Required all four years

Science: Three laboratory sciences required—minimum of one Life Science and one Physical Science

World Language: Required all four years;

Physical Education: Required for all four years (one term per year).

Health: Required for one term.

Computer Programing: Required for one term.

Humanities: Non-required elective courses.

Graduation Requirements

Twenty seven Credits

All students are required to apply for college

Sixty Percent is required to earn credit in courses graded numerically

A passing grade of Fair is required for classes graded by comment.

Credit Assignments:

English 1.3 credits/year

Math 1.3 credits/year

Language 1.3 credits/year

Science 1.0 credits/year

History 1.0 credits/year

Fine Arts Credits vary depending on the number of hours/week the class meets

Humanities “

Computer “

Advising “

Physical Education 0.2 credits/term

Health 0.2 credits/term

Curriculum Specifics

Grade 9 Subjects:

English (Decoding the language from printed form

Mathematics Math 2 with Algebra & Geometry

Science Biology

Social Studies U. S. History I

Honors classes will be offered in English and Math in the 9th and 10th grade (rooms should be smaller due to limited enrolment in Honor Courses)

Grade 10 Subjects

English (Comprehending what is read and Developing an ever –expanding vocabulary)

Mathematics Math 3 with Algebra & Geometry, Pre-Calculus Part 1 & 2

Science Chemistry

Social Studies US History II

Honors classes will be offered in English and Math in the 9th & 10th grade (rooms should be smaller due to limited enrolment in Honor Courses)

Grade 11 Subjects

English Reading widely from the best available literature

Mathematics Math L A-College Algebra-Part 1, Pre-Calculus – Part 1 & 2

Science Physics, Anatomy and Physiology and Advanced Biology (Prerequisite for AP Biology)

Social Studies World History, AP World History

Grade 12 Subjects

English Writing for effective communications

Mathematics Statistics, Pre-Calculus-Part 2, Calculus 1, AP Calculus

AP Courses are offered to students in Grade 11-12

Science Same as Grade 11, Environmental Science, Health Science and AP Biology

Specialty Rooms

Music Room (Band Equipment and Rehearsal Area)

Music is taught from Grades Kindergarten through Grade 9th

Music is an elective course for grades 11 & 12

Art should have its own area for display and development.

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