

SECTION 6
FACILITIES MASTER PLAN

FACILITY NEEDS ANALYSIS

The primary purpose of this Educational Facility Master Plan is to identify the present and future facility needs of Carroll County Public Schools. This plan addresses the need to provide capacity for projected student enrollments, the need to maintain and repair existing school buildings, and the need to provide a learning environment that meets the current instructional program of the school system. The following analysis will examine each of these factors to identify the facility needs for the 2019 to 2028 period.

Capacity Analysis

In order to make sure that there is sufficient space provided within school facilities to accommodate student enrollments, a capacity analysis is performed annually after the enrollment projections are completed. This analysis is based on the Board of Education’s Policy on Adequate Facilities. The standards included in this policy are:

Adequate	Up to 100% of capacity
Approaching inadequate	101% - 105% of capacity (Elementary) 101% - 110% of capacity (Secondary*)
Inadequate	Greater than 105% (Elementary) Greater than 110% (Secondary*)

*Functional Capacity is utilized when evaluating Middle School utilization percentages

System Wide Capacity Needs

Total enrollment decreased by 111 students in 2018, to 25,179 students. The enrollment projections indicate that total enrollment will decline by another 49 students over the next two years to 25,139. The projections also show that beginning in 2021 enrollments will increase to reach 25,895 students in 2028.

Based on the system wide breakdown of the projected 2028 total enrollment (11,509 elementary, 6,094 middle, and 7,920 high) and the future school capacities (12,644 elementary, 6,395 middle, and 9,653 high) there is not a countywide need for additional school capacity at any level.

Elementary School Capacity Needs

Based on the current projections, overall elementary utilization is projected to increase from 86% to 89% in five years, and 91% by the tenth year. Although the overall utilization percentages indicate that there is enough capacity countywide to handle projected elementary enrollments, it is possible some areas will have a local capacity concern. In order to evaluate what areas of the County may have capacity concerns, elementary schools were grouped into five geographic clusters of schools. Utilizations for the 1st, 5th year, and 10th years of the projection period were examined to determine

areas of concern. Based on this analysis, the Northeast, Northwest, and Southwest areas appear to be somewhat under-utilized in the short term. However, the utilization in these areas is expected to increase over the next ten years. This analysis also indicates that the Southeast area is approaching full capacity by the tenth year.

ELEMENTARY SCHOOL GEOGRAPHIC CLUSTER	UTILIZATION (1 YR, 5 YR, 10 YR)		
	2019	2023	2028
Northeast Area	83%	86%	88%
Northwest Area	80%	84%	86%
Westminster Area	87%	89%	92%
Southeast Area	92%	96%	98%
Southwest Area	83%	85%	87%

At the individual school level, Freedom Elementary is currently over 105% and projected to be over 120% utilization beginning in 2021.

The enrollment projection methodology uses historical enrollment trends to project future enrollment. Therefore, projections are more reliable when there is a consistent rate of growth. In order to identify areas where the growth rate is changing, a comparison of historical and projected permit activity is done for each elementary school. The table below compares the number of building permits issued for each school district over the past four years with the number of projected building permits for each school district for the next four years. Based on this analysis, Cranberry Station, Elmer Wolfe, Hampstead, Piney Ridge, Taneytown and Westminster Elementary Schools have the most potential for an increase in the number of permits over the next four years.

SCHOOL	HISTORICAL PERMITS ISSUED					PROJECTED PERMITS					Difference
	FY15	FY16	FY17	FY18	4 Yr. Total	FY19	FY20	FY21	FY22	4 Yr. Total	
Carrolltowne	95	15	6	3	119	9	0	0	0	9	-110
Charles Carroll	5				5					0	-5
Cranberry Station	9	5	9	24	47	80	38	41	40	199	152
Ebb Valley	0	5	11	13	29	42	0	0	0	42	13
Eldersburg	0	2	0	1	3	4	0	0	0	4	1
Elmer Wolfe	3	6	7	6	22	6	93	71	39	209	187
Freedom	27	20	24	26	97	43	39	10	0	92	-5
Friendship Valley	2	6	6	12	26	10	7	0	0	17	-9
Hampstead	2	0	10	22	34	12	0	100	100	212	178
Linton Springs	26	37	32	12	107	12	0	0	0	12	-95
Manchester	4	17	27	15	63	42	0	0	0	42	-21
Mechanicsville	15	21	11	10	57	25	14	14	0	53	-4
Mt. Airy*	16	12	5	3	36	58	23	0	0	81	45
Piney Ridge	17	6	5	8	36	166	0	0	0	166	130
Robert Moton	1	2	4	1	8	6	0	0	0	6	-2
Runnymede	27	11	22	31	91	98	33	0	0	131	40
Sandymount	6	13	21	10	50	93	13	0	0	106	56
Spring Garden	2	2	2	9	15	30	0	0	0	30	15
Taneytown	1	4	6	5	16	70	66	50	19	205	189
Westminster	3	1	0	2	6	42	40	62	0	144	138
William Winchester	35	16	37	53	141	68	56	33	0	157	16
Winfield	12	10	21	17	60	61	7	0	0	68	8
TOTALS	308	211	266	283	1068	977	429	381	198	1985	917

Source: Carroll County Bureau of Development Review

Middle School Capacity Needs

Based on the current projections, overall middle utilization decreases from 92% to 91% in five years, and then increases to 95% by the tenth year. Although the overall utilization percentages indicate that there is enough capacity countywide to handle projected middle enrollments, it is possible some areas will have a local capacity concern. In order to evaluate what areas of the County may have capacity concerns, middle schools were grouped into four geographic clusters of schools. Utilizations for the 1st, 5th year, and 10th years of the projection period were examined to determine areas of concern. Based on this analysis, the Southern Area will be over functional capacity in five years.

MIDDLE SCHOOL GEOGRAPHIC CLUSTER	UTILIZATION (1 YR, 5 YR, 10 YR)		
	2019	2023	2028
Southern Area	96%	101%	106%
Westminster Area	91%	89%	93%
Northeast Area	86%	82%	85%
Northwest Area	91%	85%	90%

At the individual school level, Sykesville Middle is currently over 110% and projected to be within 100% and 110% over for the next ten years. In addition to Sykesville Middle, both Mt. Airy Middle and Oklahoma Road Middle are projected to be approaching inadequate starting in 2024.

The enrollment projection methodology uses historical enrollment trends to project future enrollment. Therefore, projections are more reliable when there is a consistent rate of growth. In order to identify areas where the growth rate is changing, a comparison of historical and projected permit activity was done for each middle school. The table below compares the number of building permits issued for each school district for the past four years with the number of projected building permits for each school district for the next four years. Based on this analysis, Northwest Middle and Shiloh Middle schools have the most potential for an increase in the number of permits over the next four years.

SCHOOL						PROJECTED PERMITS					Difference
	FY15	FY16	FY17	FY18	4 Yr. Total	FY19	FY20	FY21	FY22	4 Yr. Total	
Mt. Airy	19	15	26	19	79	102	30	0	0	132	53
New Windsor	12	13			25					0	-25
North Carroll	4	18	35	28	85	81	0	0	0	81	-4
Northwest	27	14	34	37	112	164	192	121	58	535	423
Oklahoma Road	122	37	30	30	219	56	39	10	0	105	-114
Shiloh	9	15	32	38	94	130	13	100	100	343	249
Sykesville	44	43	37	20	144	195	0	0	0	195	51
Westminster East	49	26	52	82	209	163	94	74	40	371	162
Westminster West	22	30	20	29	101	85	61	76	0	222	121
TOTALS	308	211	266	283	1068	976	429	381	198	1984	916

Source: Carroll County Bureau of Development Review

High School Capacity Needs

Based on the current projections, overall high utilization is projected to decline from 84% to 82% over the coming decade. Although the overall utilization percentages indicate that there is enough capacity countywide to handle projected high enrollments, it is possible some areas will have a local capacity concern. In order to evaluate what areas of the County may have capacity concerns, high schools were grouped into four geographic clusters of schools. Utilizations for the 1st, 5th year, and 10th years of the projection period were examined to determine areas of concern. Based on this analysis the area with the lowest utilization is the Northwest Area.

HIGH SCHOOL GEOGRAPHIC CLUSTER	UTILIZATION (1 YR, 5 YR, 10 YR)		
	2019	2023	2028
Southern Area	83%	78%	83%
Northwest Area	73%	73%	71%
Northeast Area	97%	100%	96%
Westminster Area	84%	80%	79%

At the individual school level, there are no high schools projected to be inadequate in the next ten years.

The enrollment projection methodology uses historical enrollment trends to project future enrollment. Therefore, projections are more reliable when there is a consistent rate of growth. In order to identify areas where the growth rate is changing, a comparison of historical and projected permit activity was done for each high school. The table below compares the number of building permits issued for each school district for the past four years with the number of projected building permits for each school district for the next four years. Based on this analysis, Francis Scott Key High School has the most potential for an increase in the number of permits over the next four years.

SCHOOL	HISTORICAL PERMITS ISSUED					PROJECTED PERMITS					Difference
	FY15	FY16	FY17	FY18	4 Year Total	FY19	FY20	FY21	FY22	4 Year Total	
Century	44	43	37	20	144	195	0	0	0	195	51
Francis Scott Key	31	22	35	37	125	164	192	121	58	535	410
Liberty	122	37	30	30	219	56	39	10	0	105	-114
Manchester Valley	9	21	46	56	132	117	0	100	100	317	185
South Carroll	27	20	24	19	90	102	30	0	0	132	42
Westminster	26	41	41	33	141	177	74	76	0	327	186
Winters Mill	49	27	53	88	217	165	94	74	40	373	156
TOTALS	308	211	266	283	1068	976	429	381	198	1984	916

Source: Carroll County Bureau of Development Review

Based on this Capacity Needs Analysis, the following capacity concerns should be addressed:

- Freedom Elementary is currently Inadequate by Board of Education Policy, and projected be Inadequate based on the County's Concurrency Management and Adequate Public Facilities Ordinance. **Recommendation – Form a Redistricting Committee to explore redistricting options in the Southeast Area to alleviate overcrowding at Freedom Elementary.**
- Sykesville Middle is currently Inadequate by Board of Education Policy, and projected to be Approaching Inadequate for the rest of the projection period. **Recommendation – Continue to monitor middle school enrollments in the Southern Area to determine if future capacity relief options should be evaluated.**

Modernization Needs Analysis

In addition to providing school capacity to house student enrollments, another essential part of this Facilities Master Plan is to ensure that older facilities nearing the end of their useful life are meeting the demands of the current educational program, as well as county, state, and federal codes and requirements. Schools that are not meeting these standards are candidates for modernization, and are therefore scheduled for renovation or replacement in the Facilities Master Plan. Modernizations have historically taken a back seat to new schools due to the requirement to provide capacity relief to accommodate the enrollment growth. As a result, there are several schools that were constructed in fifties, sixties, and seventies which are at the end of their useful life and are in need of modernization.

The term “Modernization” refers to the “design, construction, and equipping process through which an aging facility is brought up to current educational standards and through which its systems are renewed and updated to meet current system, county, state and federal codes and requirements. Modernizations may be accompanied by additions or redesign of existing spaces to meet educational program requirements.”

In order to accurately assess a school buildings ability to meet today’s standards; both physical and functional educational evaluations are required.

Physical Assessment

In 2005 the Board of Education hired the firm of EMG to do building condition assessments of all school facilities in the system. EMG observed the major building components and assessed their physical condition. Estimated repair and replacement costs were developed and compared against the replacement value of the school to develop a Facilities Condition Index (FCI). The 2008 FCI number was then used to compare and rank the physical condition of school facilities. In order to update the physical assessment scores for these schools, a new FCI score is calculated every three years.

Although the work of EMG was valuable in helping to document the physical condition of our schools, the information is over ten years old. In order to provide more current facility condition information and link it with our maintenance work order system, CCPS contracted with Schooldude to provide a more comprehensive solution. Utilizing Schooldude’s Capital Forecast web application and its Life Cycle Modeling, new FCI scores were developed for school facilities. These 2017 FCI scores for schools constructed prior to 1980 were then converted to a 1,000 point scale so that they could be added to the functional scores to create a combined assessment score.

Functional Assessment

In 2008, Carroll County Public Schools staff conducted an Educational Assessment of all school facilities that were constructed prior to 1980. This assessment included evaluations done for specific program areas of the school buildings conducted by the appropriate Instructional Area Supervisors. In order to keep the functional assessment scores up to date, schools that receive capital improvements are reevaluated. The last update, which included a reevaluation of Eldersburg Elementary related to the Open Space Enclosure project, was completed in 2017.

Combined Assessment Score

In order to get a comprehensive view of how well a building is meeting the current building and instructional needs both the physical and functional scores are combined into one overall score. The 2017 combined scores for schools constructed prior to 1980 are included in the following table.

School	Physical Assessment Score	Functional Assessment Score	Total Score
Westminster East MS	257	579	836
William Winchester ES	513	524	1037
Westminster HS	492	654	1146
Northwest MS	436	723	1159
Carrolltowne ES	480	747	1227
Westminster West MS	678	578	1256
South Carroll HS	678	725	1403
Eldersburg ES	695	729	1424
Freedom ES	650	810	1460
Westminster ES	657	809	1466
Robert Moton ES	658	859	1517

Based on the combined assessment, East Middle School is in the most need of modernization. Several of the building systems are well past their useful lives and are in critical need of replacement. Additionally, the building presents several functional obstacles to the current middle school instructional program. The best way to address both needs in a comprehensive way is for the school to go through the modernization process. The school with the second lowest combined score is William Winchester Elementary. William Winchester also has aging building systems and functional deficiencies that should be addressed with a modernization.

During the development of the FY20 –FY25 Capital Improvement Program Request, the Board of Education decided to hire an architect to conduct a Feasibility Study exploring several different options to address the aging East Middle and William Winchester Elementary buildings. The five options being explored are:

- Renovation of the existing East Middle building
- Replacement of the existing East Middle building on the existing site
- Replacement of the existing East Middle building on the Friendship Valley Elementary site
- Construction of a K-8 building to replace East Middle and William Winchester Elementary on existing East Middle site
- Construction of a K-8 building to replace East Middle and William Winchester Elementary on Friendship Valley Elementary site

The results of this study will help the Board of Education determine the appropriate action to address these aging buildings.

Capital Renewal Analysis

The average school building is expected to last a minimum of forty years before it receives a modernization. Although many of the systems that make up a school building may last for forty years, there are certain systems that must be replaced prior to modernization to keep the school in operation. Two of the larger systems that typically need replacing and are critical to the operation of a school are the roof and the heating, ventilation and air conditioning (HVAC) systems. Due to the size of these systems, the replacement costs are too large to be able to adequately fund them in the operating budget. Therefore these projects are prioritized annually based on age and condition and included in the annual capital budget requests to the County and State.

- Roofs** - Replacement of aging roofs is necessary to protect building structure, and to preserve the learning environment. Without a roof replacement program, aging roofs will continue to deteriorate allowing water to infiltrate building envelopes. This water infiltration will damage the structural roof deck, interior ceilings, floor and wall finishes, and building contents. Water infiltration can also create conditions which could lead to air quality issues within the building. Additionally, persistent leaks disrupt learning areas and interfere with the learning environment in the school. Due to the large number of roofs constructed and replaced during the 1990's, there is currently a backlog of roofing projects that need to be replaced. The plan includes a total of 8 single-ply roofs that need to be replaced over the next decade. These types of roofs have an expected useful life of 15- 20 years. This plan is based on replacing these roofs between 20-25 years, except in cases where there is a major HVAC project scheduled at a school. In those cases, the roof project is scheduled after the HVAC project to avoid damage to the new roof installations.

SCHOOL	ROOF TYPE	SQUARE FEET	DATE OF INSTALL	CURRENT AGE	EFMP YEAR	AGE AT REPLACEMENT
Sandymount Elementary	Single Ply	63,232	1991	27	2019	28
Linton Springs Elementary	Single Ply	73,112	1998	20	2019	21
Cranberry Station Elementary	Single Ply	61,500	1999	19	2020	21
Winfield Elementary	Single Ply	75,515	1992	26	2020	28
Spring Garden Elementary	Single Ply	63,500	1991	27	2021	30
East Middle	Single Ply	54,574	1993	25	2022	29
North Carroll Middle	Shingle	68,000	2005	13	2022	17
Oklahoma Road Middle	Single Ply	116,399	1997	21	2023	26
Century High	Single Ply	135,000	2000	18	2024	24
Shiloh Middle	TPO	116,250	2000	18	2025	25
Gateway	Shingle	30,300	2003	15	2026	23

- HVAC** – Due to the significant impact of temperature and indoor air quality on the learning environment, the HVAC system plays a critical role in the daily operation of a school building. Replacement of aging systems and equipment is required to continue to provide a comfortable and healthy learning environment. The industry standard for the replacement of most HVAC system components is in the 15-20 year timeframe. Most of these systems have exceeded their useful lives by over 10 -20 years.

School	HVAC Scope	Date of Installation	Scheduled Replacement (Summer)	Age at Replacement
Winfield Elementary	System Replacement	1993	2019	26
Spring Garden Elementary	System Replacement	1991	2020	29
Oklahoma Road Middle	System Replacement	1997	2021	24
CCCTC	Renovation	1970	2021	51
East Middle	TBD	1975	2022	47
Northwest Middle	System Replacement	1976	2022	46
Carroll Springs	System Replacement	1981	2022	41
Carrolltowne Elementary	System Replacement	1976	2023	47
Mt. Airy Elementary	System Replacement	1987	2023	36
Liberty High	System Replacement	1980	2024	44
Piney Ridge Elementary	System Replacement	1991	2025	34
Friendship Valley Elementary	System Replacement	1992	2025	33
Mechanicsville Elementary	System Replacement	1994	2026	32
Runnymede Elementary	System Replacement	1994	2026	32
Taneytown Elementary	System Replacement	1995	2027	32
Elmer Wolfe Elementary	System Replacement	1998	2027	29
South Carroll High	System Replacement	1998	2028	30
Eldersburg Elementary	System Replacement	1999	2029	30

- Electrical Systems** – The electrical systems in older schools are starting to have pieces of equipment that need to be replaced. At the same time, the dramatic increase of the use of technology equipment has created electrical demands that were not present when these older schools were designed. This increasing dependence on technology has also created certain emergency and stand-by power requirements that did not exist when these schools were constructed. The following schools have electrical systems that require a comprehensive solution beyond the scope of typical maintenance: East Middle, Career & Technology Center, and Sykesville Middle.
- Fire Alarm Systems** – As fire alarm systems age it becomes increasingly difficult to purchase replacement parts, make repairs and maintain communication between the components of the separate systems. The replacement of the system includes the central alarm panel, annunciator panel, pull stations, heat and duct detectors, signaling devices and other peripheral devices. The Maintenance Department has identified fire alarm systems in need of replacement at the following schools: Carrolltowne Elementary, Taneytown Elementary, Elmer Wolfe Elementary, Runnymede Elementary, Career & Technology Center, and East Middle.
- Window Replacements** – Replacement of old single-pane windows is required to protect building structure and building components, to maintain good indoor air quality, and to improve the energy efficiency of these aging facilities. As these old windows fail, the exterior building envelop will continue to be compromised. Windows that have failed or are near failure are located at the following schools: Career & Technology Center, South Carroll High, East Middle, and Westminster High.
- Paving** – Maintaining the paved areas at 40 school locations delays or eliminates more costly parking and driveway reconstruction projects. It also prevents damage to school buses; maintenance vehicles during snow removal activities; and prevents damage to staff and parent vehicles. Without proper funding to adequately maintain paved areas, the quality of the paved surface will continue to deteriorate and ultimately fail. Due to the lack of adequate capital

funding to maintain these areas, several schools have large areas where the paving has failed and now require total reconstruction. These schools include: Career & Technology Center, Westminster HS, East Middle MS, Robert Moton ES, Mt. Airy ES, Mechanicsville ES, Shiloh MS, Liberty HS

- **Technology Infrastructure** - A systematic replacement and upgrading of technology infrastructure is critical to preventing Carroll County Public Schools from slipping into technological obsolescence. Further, critical infrastructure upgrades are necessary to meet the requirements of the MSDE Technology Plan, the Federal No Child Left Behind Act, Maryland's Race-To-The Top initiative, Financial and the State Legislative Audits, other legislation including Sarbanes Oxley and CALEA, and the expectations of public agencies in regards to Business Continuity/Disaster Recovery. Adequate capital funding for technology infrastructure assures that the school system's computing hardware will keep pace with technological advances that will prepare students for the rapidly changing workforce. Without a planned program of server and switch replacements the school system will realize a degradation of its ability to support instructional programs and services. Further, technology investments are required to realize the cost savings and benefit of the Carroll County Public Network.

Instructional Program Needs Analysis

In addition to changing enrollments and aging facilities, school facilities must also be able to respond to changes in instructional programs offered by the school system. These changes in instruction result from changes in federal or state requirements, and/or changes due to local initiatives. Since educational facilities exist to serve the needs of educators and students, they must be designed or renovated for these purposes. The following is a list of some specific instructional programs that school facilities must support:

Special Education

Carroll County Public Schools provides Special Education programs and services to all eligible children with disabilities (from birth through their twenty-first birthday) who reside in the county. Special Education services include diagnostic, instructional, and related services. Programs and services are provided on a continuum ranging from consultation with regular education teachers, up through residential placement seven days a week. These programs and services are designed to ensure that appropriate programs are available to all children with disabilities in the least restrictive environment for each child. This is determined based upon the child's unique needs and not program availability.

There are situations where a child is placed in a regional program due to the types of services they require. Typically, these specialized resources are only located at certain schools. The regional program centers listed below have specific facility needs due to the number and types of services provided.

- **Elementary Regional Centers** - There are five regional special education centers at the elementary level which provide Learning for Independence (LFI) and PreKindergarten (PREP) services to students. These five schools serve a geographic area and receive students from feeder schools. These five regional centers are: Carrolltowne Elementary, Hampstead Elementary, Robert Moton Elementary, Runnymede Elementary, and Winfield Elementary. **Based on the current special education projections, the current school facilities are sufficient.**
- **County-wide Autism** – There are currently two elementary school (Hampstead, Winfield) autism program centers, one middle school (Shiloh) autism program center, and one high school (Winters Mill) autism program center. These centers provide specialized resources for students identified along the Autism spectrum. **Based on the projected needs of the programs, the current school facilities are sufficient.**
- **Behavioral Educational Support Team (BEST) Program** – There is currently one elementary school (Robert Moton) BEST program center, one middle school (East) BEST program center, and one high school (Westminster) BEST program center. These centers provide specialized resources for students who require specialized behavioral supports not found in their home schools. **Based on the projected needs of the elementary school program, the current facility at Robert Moton needs to be expanded. Although the projected needs of the middle school program does not indicate that the size of the program should grow, the current facility does not adequately meet the needs of the program. The BEST classrooms should be located in the same building as the general education classrooms to promote mainstreaming of students as they progress along their IEP. Based on the projected needs of the high school program, the current location at Westminster high is sufficient.**
- **Central Intensive Behavior Unit (IBU)** – Special Education law requires each school system to have programs that are gradually more restrictive in nature for placements as required by individualized education plans. This program provides an additional placement for students who require behavioral support as part of their individualized education plan. There is currently an IBU program available for middle and high school students at East Middle, and Westminster High. However, there is no IBU that offers these services to elementary school students. **This program should be located next to the BEST program at Robert Moton Elementary, and be included as part of the BEST program expansion needed to serve elementary school students.**

Alternative Education

CCPS is proud to offer a variety of programs designed to assist students who have not been successful in a traditional, comprehensive school setting. Students attend Alternate Education programs for a variety of reasons including Voluntary Placements, Superintendent Transfers, Extended Suspension and Administrative Placements. The goal of all alternative education programs is to teach students academic, social/emotional, and behavioral skills that will improve their educational success and lead to a successful transition back to his/her comprehensive school.

- **Positive Response to Issues of Discipline with Elementary Students (PRIDE) Program**
 PRIDE is an elementary therapeutic intervention program; part of the CCPS general education continuum of supports. PRIDE is designed to help students gain self-control and insight into their behavior in order to reduce disruptive behaviors and increase positive school behavior/adjustment and achievement. PRIDE is also designed to provide parents with the supports needed to initiate and maintain productive changes in their homes. Students receive instruction aligned with CCPS curriculum at their instructional level. Students also receive instruction in behavior management through a structured behavior support system and direct teaching of social skills. PRIDE is supported by CCPS teachers, assistants, a school psychologist, and an intervention specialist at a ratio of approximately 3:1. The program is currently located in a portable classroom building at Friendship Valley Elementary. **This current facility does not adequately meet the needs of the program. The PRIDE classrooms should be located inside of an elementary school to provide a safe environment, and to promote mainstreaming of students as they get closer to returning to their home school.**
- **Crossroads Program** – Crossroads Middle is an alternative educational setting designed to assist middle school students to have successful school experiences. Students receive academic instruction and counseling services to improve school achievement. Classrooms are staffed by certified teachers and instructional assistants, who deliver CCPS curriculum and provide academic assistance to the students. School counselors, a school psychologist, an intervention specialist, and other support staff are available and may be assigned to assist students on specific lessons or to help manage and improve behavior. The program is currently located at the Gateway School. **Based on the current increase in mental health needs in our community, additional space may be necessary in the future to continue to support students.**
- **Gateway School** – The Gateway School is an alternative educational setting designed to assist high school students to have successful school experiences. Students who are enrolled at the Gateway School are eligible to earn credits that apply toward promotion and graduation. Classrooms are staffed by certified teachers who develop specific assignments, assistance, and requirements for students. Instructional assistants and other support staff are also on duty and may be assigned to assist students on specific lessons or to help manage and improve behavior. The program is currently located at the Gateway School. **Based on the current increase in mental health needs in our community, additional space may be necessary in the future to continue to support students.**

Full Day Kindergarten

Full-day Kindergarten was mandated in the State of Maryland through the 2002 Bridge to Excellence Act. In order to address this mandate, Carroll County Public Schools made the decision to construct permanent classroom additions to provide the additional classrooms required. A total of fourteen elementary schools received these kindergarten additions. Some schools did not receive additions because they were a lower priority due to available classrooms in other grades. Although these schools have been able to accommodate the additional Kindergarten classes due to available capacity in other grades, there are a number of issues they deal with on a daily basis. These include: smaller classrooms that cannot accommodate the learning centers or provide room for young children to move; classrooms

without restrooms; classrooms without sinks; and inability to have effective and continuous collaboration. The schools without an adequate number of early childhood classrooms are: Cranberry Station ES, Friendship Valley ES, Sandymount ES, and Taneytown ES.

Pre-Kindergarten Program

Pre- Kindergarten services to all economically disadvantaged four year olds were also mandated in the State of Maryland through the 2002 Bridge to Excellence Act. Carroll County Public Schools was required to provide a minimum of fourteen half day sessions by the 2007-2008 school year to meet this mandate. Due to the fact that the population served by Pre-Kindergarten changes as the countywide demographics change, future Pre-Kindergarten needs will be evaluated on an annual basis. The table below lists the elementary schools that offered Pre-Kindergarten services in the 2018-2019 school year.

Pre-K Sessions for 2018-2019 School Year		
<u>School</u>	<u>Sessions</u>	<u>Location</u>
Carrolltowne ES	1	Pre-K Classroom
Cranberry Station ES	1	Pre-K Classroom
Ebb Valley ES	1	Pre-K Classroom
Eldersburg ES	1	Pre-K Classroom
Elmer Wolfe ES	1	Pre-K Classroom
Hampstead ES	1	Pre-K Classroom
Linton Springs ES	1	Pre-K Classroom
Manchester ES	1	Pre-K Classroom
Mechanicsville ES	1	Pre-K Classroom
Parr's Ridge ES	1	Pre-K Classroom
Robert Moton ES	1	Pre-K Classroom
Runnymede ES	1	Pre-K Classroom
Sandymount ES	1	Pre-K Classroom
Spring Garden ES	1	Pre-K Classroom
Taneytown ES	2	Pre-K & K Classrooms
Westminster ES	1	Health
William Winchester ES	1	Pre-K Classroom
Winfield ES	1	Pre-K Classroom
TOTAL	19	

- **Relocatable Reduction Plan**

Due to declining enrollments, there are currently surplus relocatable classrooms that are no longer needed for classrooms. As a result, the Superintendent asked the Facilities Management Department to develop a plan for reducing our relocatable inventory. In 2012, a physical assessment of all of the relocatable classrooms was performed to determine the condition of our existing inventory. Principals were then surveyed to determine the utilization of all relocatable classrooms. Based on these two pieces of information, a relocatable utilization plan was developed that identified relocatable classrooms that could be removed from our inventory. As a result, the total number of relocatable classrooms has decreased from 125 classrooms to 62 classrooms. This plan continues to be implemented as funding becomes available.

CARROLL COUNTY PUBLIC SCHOOLS TEN YEAR FACILITIES MASTER PLAN CALENDAR

MODERNIZATIONS	COMPLETION DATE											NOTES
		20	21	22	23	24	25	26	27	28	29	
<p>Career & Technology Center Modernization This project involves a 90,000 square foot addition to the current building, and the renovation of 90,000 square feet of the existing building. Planning is currently underway and the project is scheduled to start construction in the summer of 2020.</p>	Aug. 2024	P	C	C	C	C	O					
<p>East Middle Replacement This project involves the design and construction of a new East Middle school to replace the aging facility.</p>	Aug. 2024		P	C	C	O						
<p>Westminster High This project involves the modernization of the existing Westminster High building of 337,000 square feet.</p>	TBD						FS		P	C	C	

FS = Feasibility Study
 P = Planning
 C= Construction

CARROLL COUNTY PUBLIC SCHOOLS TEN YEAR FACILITIES MASTER PLAN CALENDAR

CAPITAL RENEWAL PROJECTS	COMPLETION DATE											NOTES
		20	21	22	23	24	25	26	27	28	29	
Roof Replacement Projects												
Sandymount Elementary	Aug. 2019	C										HVAC Project - 2018
Linton Springs Elementary	Aug. 2019	C										
Cranberry Station Elementary	Aug. 2020	P	C									
Winfield Elementary	Aug. 2020	P	C									HVAC Project - 2019
Spring Garden Elementary	Aug. 2021		P	C								HVAC Project - 2020
North Carrol Middle	Aug. 2022			P	C							
East Middle	TBD			P	C							TBD
Oklahoma Road Middle	Aug. 2023				P	C						HVAC Project - 2021
Century High	Aug. 2024					P	C					
Shiloh Middle	Aug. 2025						P	C				
Gateway	Aug. 2026							P	C			
HVAC Replacement Projects												
Winfield Elementary	Aug. 2019	C										Roof Project
Spring Garden Elementary	Aug. 2020	P	C									Roof Project
Oklahoma Road Middle	Aug. 2021		P	C								Roof Project
CCCTC	TBD		P	C								CCCTC Renovation
Northwest Middle	Aug. 2022			P	C							
East Middle	TBD			P	C							TBD
Carroll Springs	Aug. 2022			P	C							
Carrolltowne Elementary	Aug. 2023				P	C						
Mt. Airy Elementary	Aug. 2023				P	C						
Liberty High	Aug. 2024					P	C					
Piney Ridge Elementary	Aug. 2025						P	C				
Friendship Valley Elementary	Aug. 2025						P	C				
Mechanicsville Elementary	Aug. 2026							P	C			
Runnymede Elementary	Aug. 2026							P	C			
Taneytown Elementary	Aug. 2027								P	C		
Elmer Wolfe Elementary	Aug. 2027								P	C		
South Carroll High	Aug. 2028									P	C	
Eldersburg Elementary	Aug. 2029										P	

P = Planning
C = Construction

CARROLL COUNTY PUBLIC SCHOOLS TEN YEAR FACILITIES MASTER PLAN CALENDAR

CAPITAL RENEWAL PROJECTS	COMPLETION DATE											NOTES
		20	21	22	23	24	25	26	27	28	29	
Electrical System Replacement/Upgrades												
Sykesville Middle	Aug. 2021	P	C									
East Middle	TBD			P	C							TBD
Fire Alarm Replacement												
East Middle	TBD			P	C							TBD
Carrolltowne Elementary	Aug. 2024					P	C					w/ HVAC Project
Runnymede Elementary	Aug. 2026							P	C			w/ HVAC Project
Elmer Wolfe Elementary	Aug. 2026								P	C		w/ HVAC Project
Taneytown Elementary	Aug. 2027								P	C		w/ HVAC Project
Window Replacement												
South Carroll High	Aug. 2020	P	C									
Westminster High	Aug. 2020	P	C									
East Middle	TBD			P	C							TBD
Paving Replacement	On-going	C	C	C	C	C	C	C	C	C	C	
Technology Improvements	On-going	C	C	C	C	C	C	C	C	C	C	

P = Planning
C= Construction

CARROLL COUNTY PUBLIC SCHOOLS TEN YEAR FACILITIES MASTER PLAN CALENDAR

INSTRUCTIONAL PROGRAM	COMPLETION DATE											NOTES	
		20	21	22	23	24	25	26	27	28	29		
Westminster High Science Room Renovations This project involves 6 original science rooms that have not been renovated.	Aug. 2020	C	C										
Robert Moton BEST Addition This addition is needed to expand the BEST program	Aug. 2021		P	C									
Friendship Valley PRIDE Addition This addition is needed to accommodate the PRIDE program	Aug. 2021		P	C									
Friendship Valley Kindergarten Addition This addition is needed to accommodate full day Kindergarten	Aug. 2021		P	C									
Cranberry Station Kindergarten Addition This addition is needed to accommodate full day Kindergarten	Aug. 2021		P	C									
Taneytown Kindergarten Addition This addition is needed to accommodate full day Kindergarten	Aug. 2022			P	C								
Sandymount Kindergarten Addition This addition is needed to accommodate full day Kindergarten	Aug. 2022			P	C								

P = Planning
 C = Construction