

# COL. ZADOK MAGRUDER CLUSTER

## CLUSTER PLANNING ISSUES

Since 2007, elementary school enrollment in the Gaithersburg Cluster has increased by 820 students. Some of this growth is due to new planned housing associated with the Shady Grove Sector Plan. A comprehensive capacity study was conducted during the 2014–2015 school year for the Gaithersburg Cluster to address enrollment growth in this area. Because of the challenges of enrollment growth, and absorption of large new residential developments, a tri-cluster roundtable discussion group convened in spring 2016, to take a broader look at school enrollments, utilization levels and facility options in the Gaithersburg Cluster. Three adjacent clusters participated in the Roundtable—Gaithersburg, Col. Zadok Magruder, and Thomas S. Wootton.

**Planning Study:** A boundary study was conducted in spring 2017 to reassign the portion of the Shady Grove Sector Plan that is located east of Interstate 370 in the Washington Grove Elementary School, Forest Oak Middle School, and Gaithersburg High School service areas to the Col. Zadok Magruder Cluster schools. On August 31, 2017, the Board of Education authorized that a site selection committee be formed to evaluate potential school sites in the Gaithersburg Cluster. This potential school site could address the overutilization at the elementary schools in the cluster. The site selection process will occur in fall 2017, with Board of Education action in March 2018. The Boundary Advisory Committee Report for the Shady Grove Sector Plan boundary study was released on September 6, 2017. However, based on the approved site selection process, decisions regarding potential reassignments in the Shady Grove Sector Plan will not be considered until after the site selection process is complete.

## SCHOOLS

### Judith A. Resnik Elementary School

**Capital Project:** A feasibility study was conducted in FY 2013 to determine the cost and scope of an addition project. Projections indicate enrollment will trend down over the six-year planning period at Judith A. Resnik Elementary School; however enrollment will continue to exceed capacity over the same time period. Therefore, planning will continue for the proposed addition project; however, expenditures for construction funds will be considered in a future CIP. Enrollment will continue to be monitored and relocatable classrooms will be utilized.

## CAPITAL PROJECTS

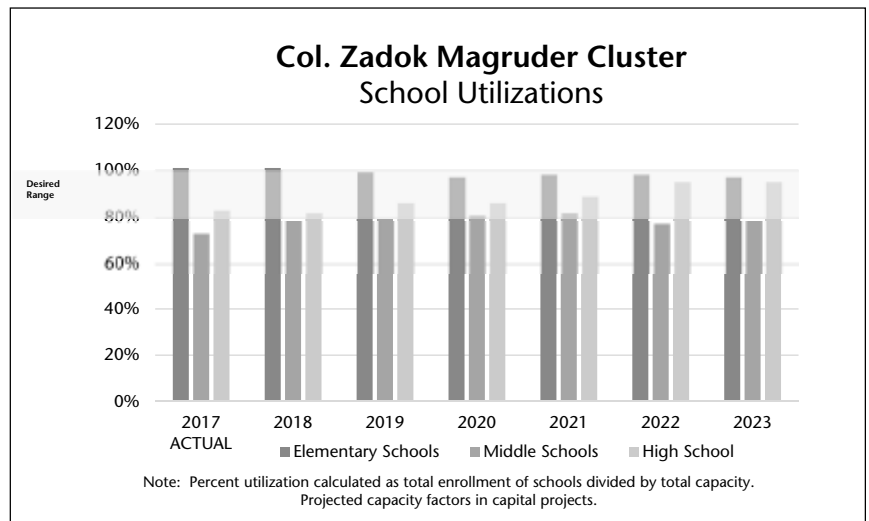
School	Project	Project Status*	Date of Completion
Judith A. Resnik ES	Classroom addition	Approved	TBD

\*Approved—Project has an FY 2017 or FY 2018 appropriation approved in the Amended FY 2017–2022 CIP.

\*Programmed—Project has expenditures programmed in a future year of the CIP for planning and/or construction funds.

\*Proposed—Project has facility planning funds recommended for a feasibility study.

\*Recommended—Project has an FY 2019 appropriation recommended for planning or construction in the FY 2019–2024 CIP.



**COL. ZADOK MAGRUDER CLUSTER**

**Projected Enrollment and Space Availability**  
Effects of the Recommended FY 2019–2024 CIP and Non-CIP Actions on Space Available

Schools		Actual 17-18	Projections								
			18-19	19-20	20-21	21-22	22-23	23-24	2027	2032	
Col. Zadok Magruder HS	Program Capacity	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
	Enrollment	1621	1592	1682	1683	1735	1854	1862	2090	2360	
	Available Space	329	358	268	267	215	96	88	(140)	(410)	
	Comments										
Redland MS	Program Capacity	765	765	765	765	765	765	765	765	765	
	Enrollment	560	609	670	676	698	634	631	660	660	
	Available Space	205	156	95	89	67	131	134	105	105	
	Comments										
Shady Grove MS	Program Capacity	846	846	846	846	846	846	846	846	846	
	Enrollment	615	640	600	621	615	610	623	610	680	
	Available Space	231	206	246	225	231	236	223	236	166	
	Comments										
Candlewood ES	Program Capacity	514	514	514	514	514	514	514			
	Enrollment	376	376	390	386	378	388	359			
	Available Space	138	138	124	128	136	126	155			
	Comments										
Cashell ES	Program Capacity	340	340	340	340	340	340	340			
	Enrollment	382	405	394	391	412	412	403			
	Available Space	(42)	(65)	(54)	(51)	(72)	(72)	(63)			
	Comments										
Flower Hill ES	Program Capacity	465	465	465	465	465	465	465			
	Enrollment	492	482	490	485	485	492	483			
	Available Space	(27)	(17)	(25)	(20)	(20)	(27)	(18)			
	Comments										
Mill Creek Towne ES	Program Capacity	321	321	321	321	321	321	321			
	Enrollment	389	384	371	354	347	338	336			
	Available Space	(68)	(63)	(50)	(33)	(26)	(17)	(15)			
	Comments										
Judith A. Resnik ES	Program Capacity	498	498	498	498	498	498	498			
	Enrollment	643	652	614	611	615	608	608			
	Available Space	(145)	(154)	(116)	(113)	(117)	(110)	(110)			
	Comments	Planning for Addition See text									
Sequoyah ES	Program Capacity	508	508	508	508	508	508	508			
	Enrollment	388	386	353	335	347	358	381			
	Available Space	120	122	155	173	161	150	127			
	Comments										
Cluster Information	HS Utilization	83%	82%	86%	86%	89%	95%	95%	107%	121%	
	HS Enrollment	1621	1592	1682	1683	1735	1854	1862	2090	2360	
	MS Utilization	73%	78%	79%	81%	82%	77%	78%	79%	83%	
	MS Enrollment	1175	1249	1270	1297	1313	1244	1254	1270	1340	
	ES Enrollment	101%	101%	99%	97%	98%	98%	97%	94%	91%	

# COL. ZADOK MAGRUDER CLUSTER

## Demographic Characteristics of Schools

Schools	2017-2018						2016-2017		
	Total Enrollment	Two or more races %	Black or Afr. Amer. %	Asian%	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Col. Zadok Magruder HS	1621	5.1%	17.5%	12.2%	39.2%	25.9%	33.3%	10.8%	16.2%
Redland MS	560	5.2%	19.3%	13.6%	38.0%	23.4%	40.9%	9.3%	9.1%
Shady Grove MS	615	3.4%	21.3%	11.4%	41.8%	21.6%	42.4%	8.9%	15.3%
Candlewood ES	376	5.3%	15.2%	17.0%	16.5%	45.5%	23.4%	15.5%	11.5%
Cashell ES	382	9.2%	15.2%	7.6%	25.1%	42.7%	26.4%	13.2%	3.2%
Flower Hill ES	492	4.7%	31.1%	10.4%	46.3%	7.1%	66.1%	38.4%	24.7%
Mill Creek Towne ES	389	5.9%	15.9%	10.8%	47.6%	19.3%	50.4%	27.3%	20.1%
Judith A. Resnik ES	643	4.8%	30.5%	11.5%	39.0%	14.0%	53.9%	29.5%	21.9%
Sequoyah ES	390	5.6%	12.1%	12.1%	48.5%	21.5%	54.4%	34.6%	16.2%
<b>Elementary Cluster Total</b>	<b>2672</b>	<b>5.8%</b>	<b>21.4%</b>	<b>11.5%</b>	<b>37.8%</b>	<b>23.1%</b>	<b>47.0%</b>	<b>27.0%</b>	<b>17.2%</b>
<b>Elementary County Total</b>	<b>76590</b>	<b>5.3%</b>	<b>21.4%</b>	<b>14.0%</b>	<b>32.3%</b>	<b>26.6%</b>	<b>40.3%</b>	<b>23.2%</b>	<b>14.1%</b>

\*Percent of students approved for Free and Reduced-priced Meals Program (FARMS) during the 2016-2017 school year.

\*\*Percent of English for Speakers of Other Languages (ESOL) during the 2016-2017 school year. High School students are served in regional ESOL centers.

\*\*\*Mobility Rate is the number of entries plus withdrawals during the 2016-2017 school year compared to total enrollment.

Notes: Native Hawaiian/Pacific Islander and American Indian/Alaskan Native categories total less than 1% and were therefore excluded from the table.

Due to federal and state guidelines, demographic characteristics of schools of less than or equal to 5 students per category are reported as 0%.

**Program Capacity Table**  
(School Year 2017-2018)

Schools	Special Education Services																																								
	Grades Served	Capacity (HS @90% MS@85%)	Total Rooms	Support Rooms	Regular Secondary @25	Regular Elementary @23	CSR Grades 1-2 @18	Pre-K @20	Pre-K @40	HS @20	CSR KIND @18	KIND @22	ESOL @15	METS @15	HSM @13	ELEM LAD @13	ELC @10	LANG @12	LFI @10	SCB @6	AAC@7	AUT @6	BRIDGE @10	DHOH @7	ED @10	EXTENSIONS @6	GT/LD @13	PD @7	PEP@6	PEP @12	PEP @18	VISION (Elementary) @7	OTHER								
																																		School Based	Cluster Based	Quad Cluster Based	County & Regional Based				
Col. Zadok Magruder HS	9-12	1950	91		84									1									2			4															
Redland MS	6-8	765	36		36																																				
Shady Grove MS	6-8	846	45		38								1													3															3
Candlewood ES	K-5	514	28	4		18							4													2															
Cashell ES	PreK-5	340	21	3		10	1					3							2																		2				
Flower Hill ES	PreK-5	465	29	5		7	9	1		4																3															
Mill Creek Towne ES	HS-5	321	25	5		1	8	1		4							5	1																							
Judith A. Resnik ES	PreK-5	498	31	5		6	11	1		6																										2					
Sequoyah ES	K-5	508	30	4		11	8			4						3																									

## COL. ZADOK MAGRUDER CLUSTER

**Facility Characteristics of Schools 2017–2018**

Schools	Year Facility Opened	Year Reopened/ Revitalized	Total Square Footage	Site Size Acres	Adjacent Park	Reloc-atable Classrooms	County Programs	Home School Model
Col. Zadok Magruder HS	1970		295,478	30				
Redland MS	1971		112,297	20.64	Yes			
Shady Grove MS	1995	1999	129,206	20				
Candlewood ES	1968	2015	82,222	11.8				
Cashell ES	1969	2009	71,171	10.24		1		
Flower Hill ES	1985		58,770	10	Yes	3		
Mill Creek Towne ES	1966	2000	67,465	8.4		3		
Judith A. Resnik ES	1991		78,547	12.8		6		
Sequoyah ES	1990		72,582	10	Yes			