

ADM Community School District Capacity Analysis (Secondary Schools)

Name of School	Utilization Factor	Desired Bldg. Capacity	Standard Bldg. Capacity	Bldg. Functional Capacity	Current Enrollment as of Aug. 2018	% Enrollment to Functional Capacity	Sq. ft per student capacity	Special Considerations
ADM Middle School	75% & 87%	462	552	507	443	87%		
ADM High School	87%	697	832	765	514	67%		
Total Capacity Data		1159	1384	1272	957	77%		

ADM High School
801 Nile Kinnick Drive South
Adel, IA 50003

Total enrollment = 514 (as of August 2018)
 Previous capacity = 682-837 range
 Functional Capacity = 765
 Enrollment to Functional Capacity = 67%

Building square footage = XXX,XXX sf
 Year open = 1986
 Latest addition = 2016

High School (9-12)		Students per room		Number of Classrooms	Desired Classroom Capacity	Standard Classroom Capacity	Number of Classrooms not meeting SF Standard	Desired Adjusted Capacity	Standard Adjusted Capacity	Utilization Factor	Notes
<i>Core Classrooms</i>		<i>Desirable</i>	<i>Standard</i>								
English Language Arts (ELA)	24	28	6	144	168	0	125	146	87%	104, 105, 106, 107, 108, 109	
Math	24	28	4	96	112	1	84	97	87%	202, 203, 205, 206	
Science Classroom	24	28	3	72	84	0	63	73	87%	306, 307, 308	
Science (Smaller space)	24	28	1	24	28	0	21	24	87%	212	
Social Studies	24	28	3	72	84	0	63	73	87%	207, 208, 210	
				17	408	476	1	355	414		
<i>Elective/Non-Core Classrooms</i>		<i>Students per room</i>		<i>Number of Classrooms</i>	<i>Desired Classroom Capacity</i>	<i>Standard Classroom Capacity</i>	<i>Number of Classrooms not meeting SF Standard</i>	<i>Desired Adjusted Capacity</i>	<i>Standard Adjusted Capacity</i>	<i>Utilization Factor</i>	<i>Notes</i>
Art Classroom	24	28	2	48	56	0	24	28	50%	405, 407A (1 Art teacher)	
Business Classroom	24	28	1	24	28	0	21	24	87%	211	
CTE - Agriculture	24	28	1	24	28	0	21	24	87%	409	
CTE - Industrial Technology	14	18	2	28	36	0	14	18	50%	401, 403 (1 teacher)	
CTE - PLTW (Biomed, Pre-engineering, Computer Tech)	22	26	3	66	78	0	57	68	87%	204, 401, 403	
Family & Consumer Science (FACS)	24	28	2	48	56	0	24	28	50%	406, 408	
Foreign Language	24	28	3	72	84	0	63	73	87%	111, 112, 113	
Journalism	24	28	0	0	0	0	0	0	87%	Uses 105 listed in ELA classes	
Music - Vocal	50	75	1	50	75	0	25	38	50%	601 (shared with MS)	
Music - Instrumental	50	75	1	50	75	0	25	38	50%	606 (shared with MS)	
Physical Education - Gymnasium	26	30	1	26	30	0	13	15	50%	North Gym (HS use mostly)	
Physical Education - Aux. Gym	30	40	1	30	40	0	0	0	0%	South Gym (MS use mostly)	
Physical Education - Weight Room	24	28	1	24	28	0	24	28	100%	800	
Physical Education - Health Classroom	26	30	1	26	30	0	23	26	87%	411	
Physical Education - Wrestling Room	24	28	1	24	28	0	0	0	0%	801	
				21	540	672	0	333	408		
<i>Other Program Spaces</i>		<i>Students per room</i>		<i>Number</i>	<i>Desired</i>	<i>Standard</i>	<i>Not Meeting</i>	<i>Desired</i>	<i>Standard</i>	<i>Utilization</i>	<i>Notes</i>
Alternative Classroom	10	12	1	10	12	0	9	10	87%	309 (Academic Success Center)	
Flex Space - Study Hall	24	28	0	0	0	0	0	0	0%	Study Hall classes move around to open classrooms	
Intervention Space	8	12	1	8	12	0	0	0	0%	404 (TLC Coaches Office)	
Special Education - Resource Room	8	10	4	32	40	0	0	0	0%	110, 402, 209, 110A (402A - support space)	
				6	50	64	0	9	10		
<i>Support Spaces</i>		<i>Students per room</i>		<i>Number</i>	<i>Desired</i>	<i>Standard</i>	<i>Not Meeting</i>	<i>Desired</i>	<i>Standard</i>	<i>Utilization</i>	<i>Notes</i>
Cafeteria - Dining (Multi-purpose)	0	0	1	0	0	0	0	0	0%		
Media Center/Library	0	0	1	0	0	0	0	0	0%	Typically 15% of capacity	
Performing Arts Center - House	0	0	1	0	0	1	0	0	0%	Room 600 & 610	
Performing Arts Center - Stage	0	0	1	0	0	1	0	0	0%	Space will be a challenge with enrollment growth	
				44	998	1212	1	697	832		

Functional Capacity: 765
 Sf per student capacity:

Administrative Perceptions		
Other Support Spaces	Rating (1-5)	Comments
Administrative Office Suite	5	Recently remodeled, good space, extra office for future growth
Cafeteria/Multipurpose	3	Space will be a challenge with enrollment growth
Collaboration/Maker Space	N/A	Conference rooms are sometimes used for this purpose
Conference Room(s)	4	Large conference room is great, may need more with enrollment growth
Counseling Office(s)	3	Fairly tight space, but overall nice after recent remodel
Hallways/Corridors	4	Pretty decent student flow through building, carpet is tough to keep clean
Media Center	5	Large space, shared with MS, plans to rearrange this space will improve the use significantly
Nurses Office	4	A little tight, but overall very nice
Parking	3.5	Paved areas are nice, gravel area in back, need to address parking with enrollment growth
Restrooms	4	Good number of restrooms, good locations in building, could use one near 407/409
Security	3	Video surveillance could be enhanced, exterior doors could have better access control
Staff Workroom(s)	5	Good space, brand new, doubles as teacher's lounge
Storage/Custodial Space	2	Not much building storage space
Technology	5	Excellent technology infrastructure and classroom equipment
Traffic Flow (Site Condition)	2	Very challenging during peak times before and after school
Support Space Average	3.75	

General building capacity guidelines:

The capacity standards are based on a combination of sources; 1) Department of Education class size recommendations, 2) Square footage per student recommendations from the Association for Learning Environments (A4LE), 3) ADM Community School District class size or building size policies or guidelines, 4) Our experience in educational facility planning.

Classroom repurpose options	Capacity impact	Program impact
Industrial Tech (401 & 403)	24	Building capacity would increase with another Industrial Tech teacher by utilizing both rooms more frequently
Health classroom (411)	26	Health would have to be on a cart, not ideal way to deliver Health
FACS (406 & 408)	26	Building capacity would increase with another FACS teacher by utilizing both FACS rooms more frequently
Study Hall Classes	40	Study Hall uses open classrooms throughout day, it is possible to capture an average number of students per hour to add to building capacity
PE (North & South Gym/Weight Room)	26	Building capacity would increase with another PE teacher by utilizing the gyms & weight room more frequently throughout the day
Total capacity impact potential =	142	

ADM Middle School 801 Nile Kinnick Drive South Adel, IA 50003			Total enrollment = 443 (as of August 2018) Previous capacity = 550-675 range Functional Capacity = 507 Enrollment to Functional Capacity = 87%					Building square footage = XXX,XXX sf Year open = Original 2006 Latest addition = 2016			
Middle School (Grades 6-8)		Students per room		Number of Classrooms	Desired Classroom Capacity	Standard Classroom Capacity	Number of Classrooms not meeting SF Standard	Desired Adjusted Capacity	Standard Adjusted Capacity	Utilization Factor	Notes
<i>Core Classrooms</i>		<i>Desirable</i>	<i>Standard</i>								
Literacy (English Language Arts)	24	28	6	144	168	0	108	126	75%	902, 904, 802, 804, 816, 818	
Math	24	28	4	96	112	0	72	84	75%	907, 909 (Math/Science), 815, 819	
Science Classroom w/ Lab	24	28	3	72	84	0	54	63	75%	908, 808, 817	
Social Studies	24	28	4	96	112	0	72	84	75%	912, 914, 813, 821	
				17	408	476	0	306	357		
<i>Elective/Non-Core Classrooms</i>		<i>Students per room</i>		<i>Number of Classrooms</i>	<i>Desired Classroom Capacity</i>	<i>Standard Classroom Capacity</i>	<i>Number of Classrooms not meeting SF Standard</i>	<i>Desired Adjusted Capacity</i>	<i>Standard Adjusted Capacity</i>	<i>Utilization Factor</i>	<i>Notes</i>
Art Classroom	24	28	1	24	28	0	21	24	87%	405	
Computer Classroom	24	28	1	24	28	0	21	24	87%	915 (Computer & 1 block SS)	
CTE - PLTW (Pre-engineering)	24	28	1	24	28	0	21	24	87%	913 (GTT)	
Family & Consumer Science (FACS)	24	28	0	0	0	0	0	0	87%	Uses 406 at HS for one block	
Music - Vocal	60	80	1	60	80	0	30	40	50%	601 (share with HS)	
Music - Instrumental	60	80	1	60	80	0	30	40	50%	606 (share with HS)	
Physical Education - Aux. Gym	25	35	1	25	35	0	13	18	50%	South Gym (mostly used by MS)	
				6	217	279	0	135	171		
<i>Other Program Spaces</i>		<i>Students per room</i>		<i>Number</i>	<i>Desired</i>	<i>Standard</i>	<i>Not Meeting</i>	<i>Desired</i>	<i>Standard</i>	<i>Utilization</i>	<i>Notes</i>
Gifted Classroom	10	15	1	10	15	0	0	0	0%	917	
Flex Classroom	24	28	1	24	28	0	21	24	87%	910	
Intervention Space	10	15	2	20	30	0	0	0	0%	905, 812 (Instructional Coaches)	
Special Education - Standard Size	14	18	3	42	54	0	0	0	0%	805, 806, 906	
Special Education - Resource Room	14	18	2	28	36	0	0	0	0%	811, 911	
				9	124	163	0	21	24		
<i>Support Spaces</i>		<i>Students per room</i>		<i>Number</i>	<i>Desired</i>	<i>Standard</i>	<i>Not Meeting</i>	<i>Desired</i>	<i>Standard</i>	<i>Utilization</i>	<i>Notes</i>
Cafeteria - Dining (Multi-purpose)	0	0	1	0	0	0	0	0	0%		
Media Center/Library	0	0	1	0	0	0	0	0	0%	Typically 15% of capacity	
				32	749	918	0	462	552		

Functional Capacity: 507
Sf per student capacity:

Administrative Perceptions		
<i>Other Support Spaces</i>	<i>Rating (1-5)</i>	<i>Comments</i>
Administrative Office Suite	5	Great space
Cafeteria/Multipurpose	3.5	Functional space but could use more furniture
Collaboration/Maker Space	4	Use Media Center for Maker Space
Conference Room(s)	4	Good use of space currently
Counseling Office(s)	3	Small space, will be an issue with enrollment growth
Hallways/Corridors	4	New wing has lockers on both sides which creates congestion, other areas fine
Media Center	5	Beautiful space, very large space, would love to update furniture but great space
Nurses Office	3	Small space, need to address this area with enrollment growth
Parking	4	Will be challenging with enrollment growth, but functional for now
Playground	N/A	
Restrooms	5	Good number of them and spaced appropriately
Security	3	A lot of exterior entrances to monitor and manage, but overall feel good about security, future improvements will enhance security
Staff Workroom(s)	5	Good space
Storage/Custodial Space	4	PE could use more storage, but all other storage is adequate
Technology	5	Strong technology
Traffic Flow (Site Condition)	4	MS traffic flows pretty well
Support Space Average	4.10	

General building capacity guidelines:

The capacity standards are based on a combination of sources; 1) Department of Education class size recommendations, 2) Square footage per student recommendations from the Association for Learning Environments (A4LE), 3) ADM Community School District class size or building size policies or guidelines, 4) Our experience in educational facility planning.

Classroom repurpose options	Capacity impact	Program impact
SPED Rooms 806 & 906	52	Would need to find alternative rooms for SPED
Room 812	26	Would need to relocate Instructional Coaches space
GATE 917	26	Would need to find alternative room for Gifted
PE & FACS	56	Building capacity could increase in these two areas with added staff
Total capacity impact potential =	160	