

LONGFELLOW Elementary
Analysis of Number of General Ed Classroom Required (WITH TEACHING AIDE)
Design Concept Option B

Assumptions

Class size assumptions are based on language provided

Grade	Maximum Class Size (No Teaching Aide)	Maximum (With)
Kindergarten	20	24
1st - 5th	24	27

Guidelines: Number of Sections - No Aide	Guidelines: Number of Sections - With Aide
Kindergarten (5) Sections at 20 students = 100 students (6) Sections at 20 students = 120 students	Kindergarten (5) Sections at 24 students = 120 students (6) Sections at 24 students = 144 students
Grades 1 thru 5 (5) Sections at 24 students = 120 (6) Sections at 24 students = 144	Grades 1 thru 5 (5) Sections at 27 students = 135 (6) Sections at 27 students = 162

Class sizes above 27 (or 24 for Kindergarten) require students to be put into a new section.

Projected enrollment in table below provided by Demographic Study

LEGEND

- Actual classrooms LESS THAN required classrooms
- Kasarda Worst case class size per grade

Grade by Grade Analysis with Available Data

School Year	Kindergarten			Grade 1			Grade 2			Grade 3			Grade 4			Grade 5			Totals K thru 5th Grade		School Year
	Kasarda Projections	Clstrm Req'd Calculation (24/class)	Clstrm Required (24/class) With Aide	Kasarda Projections	Clstrm Req'd Calculation (27/class)	Clstrm Required (27/class) With Aide	Kasarda Projections	Clstrm Req'd Calculation (27/class)	Clstrm Required (27/class) With Aide	Kasarda Projections	Clstrm Req'd Calculation (27/class)	Clstrm Required (27/class) With Aide	Kasarda Projections	Clstrm Req'd Calculation (27/class)	Clstrm Required (27/class) With Aide	Kasarda Projections	Clstrm Req'd Calculation (27/class)	Clstrm Required (27/class) With Aide	Total K-5 classrooms Required	Total K-5 Classrooms Actual	
2017/18																					2017/18
High:	102	4.3	5	108	4.0	4	104	3.9	4	95	3.5	4	113	4.2	5	102	3.8	4	26	27	
2018/19																					2018/19
High:	96	4.0	4	113	4.2	5	113	4.2	5	108	4.0	4	100	3.7	4	117	4.3	5	27	27	
2019/20																					2019/20
High:	100	4.2	5	107	4.0	4	118	4.4	5	117	4.3	5	113	4.2	5	104	3.9	4	28	27	
2020/21																					2020/21
High:	96	4.0	4	111	4.1	5	112	4.1	5	122	4.5	5	122	4.5	5	117	4.3	5	29	27	
2021/22																					2021/22
High:	98	4.1	5	107	4.0	4	116	4.3	5	116	4.3	5	127	4.7	5	126	4.7	5	29	27	

- Does not identify number of special needs students in self-contained classrooms
- Does not analyze the PKP students. Assumes the enrollment is controlled and not growth is anticipated without modifications to the program.

Calculation of Number of Teaching Aides Required

Time Period between 2018/19 and 2021/22 based on Kasarda Projections

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Totals	
	100 students projected worst case	113 students projected worst case	118 students projected worst case	122 students projected worst case	127 students projected worst case	126 students projected worst case		
	5 regular classrooms of 20 students	5 regular classrooms of 24 students	5 regular classrooms of 24 students	4 regular classrooms of 24 students 1 classrooms of 27 students with Aide	2 regular classrooms of 24 students 3 classrooms of 27 students with Aide	3 regular classrooms of 24 students 2 classrooms of 27 students with Aide		
Number of Sections	5	5	5	5	5	5	30 Classrooms (Worst Case projections require 5 sections per grade)	
Number of Aides Req'd	0	0	0	1	3	2	6 Aides required	
No. New Students Section Added	20	22	17	13	8	9	\$37,532 Salary per Aide Per Year	
	Number of new Kindergarten students before a new section is required after adding Teaching Aides (5 Additional Aides required above 6)	69 Number of Students in Grades 1-5 before a new section is required after already adding a Teaching Aide (19 Additional Aides required above 6)				If all sections maxed out with Aides - total of 30 Aides required for the entire school per year		\$225,192 Total Teaching Aide Cost Per Year