

Homer Central School

2012-13 Per Pupil Budget Guidelines

Building	Sep. 11-12 Enrollment	<i>projected</i> 2012-13 Enrollment	Expense-based Allocation	\$58.25/pupil Textbook Allocation	\$14.98/pupil Computer Allocation	\$6.25/pupil Library Allocation	2012-13 Total Building Allocation (minus PE & Music)
Hartnett	118	105	\$7,931	\$6,116	\$1,573	\$656	\$16,276
Homer Elem	429	395	\$29,988	\$23,009	\$5,917	\$2,469	\$61,383
Intermediate	544	577	\$29,625	\$33,610	\$8,643	\$3,606	\$75,485
Junior High School	365	354	\$42,513	\$20,621	\$5,303	\$2,213	\$70,649
Sr. High School	710	697	\$78,005	\$40,600	\$10,441	\$4,356	\$133,402
Total K-12	2166	2128	\$188,060	\$123,956	\$31,877	\$13,300	\$357,194
Total Prior Year	2154	2154	\$293,613	\$76,266	\$32,267	\$13,463	\$464,813
Variance	-12	26	-\$105,553	\$47,690	-\$390	-\$163	-\$107,619

The above enrollment projections and guidelines are for use in development of 2012-13 building budgets. The figures reflect the following:

- ★ The basic, per pupil allocation has been replaced with an expense-based per pupil allocation for each building that is equal to 2010-11 expenditure amount increased by 2%.
- ★ Enrollments are based on the Cohort Survival Projection developed by the University of Rochester team from the Warner School of Education.
- ★ Textbook Aid (\$58.25/pupil), Computer Software Aid (\$14.98/pupil) and Library Materials Aid (\$6.25/pupil) amounts have not changed.
- ★ The Music and Physical Education allocation will be \$16,000 for each department for 2012-13. Each department head will be responsible for developing these budgets in coordination with building principals.

Note:

Standard Computer/technology Supplies items will be ordered through the technology department only. Questions about technology standard supply items should be directed to Josh Finn.

**2011-2012
PER PUPIL BUDGET GUIDELINES**

Building	Sep-10 Enrollment	2011-12 Budget Enrollment	Per Pupil Allocation Dollars	Basic Allocation	Textbook Allocation \$58.25/Pupil	Computer Allocation \$14.98/Pupil	Library Allocation \$6.25/Pupil	Total Building Allocation Excluding Music & PE
Homer Elem.	402	432	124	\$ 53,714	\$ 23,417	\$ 6,022	\$ 2,513	\$ 85,665
Intermediate	557	538	124	\$ 66,762	\$ 32,445	\$ 8,344	\$ 3,481	\$ 111,033
Hartnett	119	128	124	\$ 15,913	\$ 6,932	\$ 1,783	\$ 744	\$ 25,371
Jr. High School	372	371	144	\$ 53,286	\$ 21,669	\$ 5,573	\$ 2,325	\$ 82,853
Sr. High School	704	724	144	\$ 103,937	\$ 41,008	\$ 10,546	\$ 4,400	\$ 159,891
Total K-12	2154	2194		\$ 293,613	\$ 125,471	\$ 32,267	\$ 13,463	\$ 464,813
2010-2011 Totals	2154	2202		\$ 321,229	\$ 125,587	\$ 32,297	\$ 13,475	\$ 492,588
Amount of Change	0	-8		\$ (27,616)	\$ (117)	\$ (30)	\$ (13)	\$ (27,775)

The above enrollment projections and allocations are guidelines for development of the 2010-2011 building budgets. The figures reflect the following:

- Basic Per Pupil Allocation has been restored to beginning allocation of 10-11 (24% decrease - from 09-10)
- 2% increase in pupil enrollments above actual projection for flexibility and possible increased enrollments
- Textbook State Aid \$58.25 per pupil
- Computer Software State Aid \$14.98 per pupil
- Library Materials State Aid \$6.25 per pupil

IMPORTANT NOTE

Please note that the allocations for Textbooks, Computer, and Library supplies may not be used for the purchase of other necessary supplies and equipment. The district must spend each allocation for the specified purpose in order to receive the state aid entitlement in each category. However, if the building has a priority need in one of the areas, Basic allocation may be transferred to the category.

The allocations do not include the instructional areas of Music and Physical Education. A separate District wide allocation is given for each department. The department chairperson will be primarily responsible for developing these budgets and will coordinate with respective building principals. Standard List items for Music and Physical Education should be included in each building budget.

Table 20 – Six-Year Cohort Survival Rates

	2005-6	1 yr SR	2006-7	1 yr SR	2007-8	1 yr SR	2008-9	1 yr SR	2009-10	1 yr SR	2010-11	1 yr SR	2011-12
Pre-K Multi-Age	40 Multi-Age		36 Multi-Age		36 Multi-Age		35 Multi-Age		9 BOCES HES		8 BOCES HES		8 BOCES HES
K	162	0.95062	145	0.9931	140	0.99286	139	0.99281	147	1.08163	159	0.96226	153
1	150	0.95333	154	1	144	1.13194	139	0.97122	138	0.95652	159	1.0566	153
2	158	0.99367	143	1.04895	154	0.98052	163	1.03067	135	1.04444	132	1.03788	168
3	171	1.0117	157	1.03185	150	1.02667	151	1.03311	168	0.97619	141	1.05674	137
4	147	1.02721	173	0.98844	162	1.02469	154	1.05195	156	1.01923	164	1.04878	149
5	177	0.99435	151	1.04636	171	1.01754	166	1.01807	162	0.99383	159	1	172
6	178	1.08427	176	1.01705	158	1.05696	174	1.1092	169	1.11243	161	1.12422	159
7	191	1.02094	193	1.01036	179	1.04469	167	1.02994	193	0.95337	188	0.97872	181
8	195	1.08205	195	1.11282	195	1.07692	187	1.1016	172	1.04651	184	1.05435	184
9	210	0.8619	211	0.87204	217	0.84793	210	0.87143	206	0.85437	180	0.92222	194
10	195	0.92308	181	0.90608	184	0.92935	184	0.89674	183	0.9071	176	0.97727	166
11	180	0.98333	180	1.03889	164	0.98171	171	0.9883	165	1.08485	166	1.06024	172
12	177		177		187		161		169		179	0.96226	176
Out of District	49		53		77		72		61		68		46
Total Public	2380		2325		2318		2273		2233		2224		2218

In reading Table 20, the survival rate for each grade level for each year is to the right of the enrollment for that year.

In Table 21 we use the five-year “Cohort Survival Rate” for each grade level to project enrollment for the following five years. At the Kindergarten grade, we use Live Birth Rate data from the New York State Department of Health.

Table 21 – Homer Five-Year Enrollment Projections with Live Births

2011-12	Grade	6-year CSR	2012-13	2013-14	2014-15	2015-16	2016-17
153	K	0.9955	131	145	121	125	125
153	1	1.0116	152	130	144	120	124
168	2	1.02269	155	154	132	146	122
137	3	1.02271	172	158	158	135	149
149	4	1.02672	140	176	162	161	138
172	5	1.01169	153	144	180	166	165
159	6	1.08402	174	155	146	183	168
181	7	1.00634	172	189	168	158	198
184	8	1.07904	182	173	190	169	159
194	9	0.87165	199	197	187	205	182
166	10	0.92327	169	173	171	163	179
172	11	1.02289	153	156	160	158	151
176	12		176	157	160	163	162
46	Out of Dist.		50	50	50	50	50
2218	Total Public		2178	2157	2128	2102	2072

Enrollment forecasting is necessarily speculative. The Cohort Survival Technique (CST) is a trend analysis that assumes that patterns will continue within each age cohort. We use seven years of enrollment to establish trends, and compute the average survival rate for each grade level. Seven years of enrollment yields six survival rate years. The CST approach assumes that these trends are inherent to the community. For example, in a community with a parochial school that serves Grades

K-6, but with no access to a parochial middle school or high school, it is predictable that public school enrollment would increase at Grade 7, as the children coming out of the parochial elementary school have limited choices for their secondary education. Another example might be a community with little choice for move-up housing. As families grow in size and income, it is predictable that they would, at some point, leave the community for better housing opportunities.

In the case of Homer, all of the six-year survival rates are above 1.00 with the exception of K, 9 and 10. Grade 9 and 10 survival issues are most commonly the function of ninth grade failure and drop outs. Most of Homer's graduation rate issues, we speculate, can be traced to the first two years of high school. We further speculate that the nearly 8% increase in ninth grade is associated with parochial school students who finish their grammar school experience and elect to attend Homer High School as well as ninth grade failures that bolster the numbers in Grade 9 and diminish the numbers in Grade 10.

Of course the most difficult estimations are for students not yet in school. We accessed Live Birth data from the New York State Department of Health to make our kindergarten predictions. Live Birth Rates are not firm predictors of kindergarten enrollment. Families are most transient during the beginning part of their children's lives, and so it is not certain that live births will actually continue in the district through kindergarten. In the case of Homer, the actual number of kindergarteners has been higher than the number of live births. We compared actual kindergarten enrollment with live births five years earlier and found that the live birth data was inaccurate in predicting actual kindergarten enrollment by an average of 14.13%. Therefore, our projections through 2014 for kindergarten reflect the live birth number x 1.1413. Live birth data is not available at this time for 2010.

The projections suggest a small decline in enrollment. This is not a function of students leaving the district, at least based on survival rates. The decline in enrollment is a function of smaller kindergartens. Upcoming live birth rate data suggests this issue will become more pronounced in the near term. However, Homer has a history of attracting kindergarteners and it may well be that more families will decide to settle in Homer. However, given the methods we are employing, we anticipate continued declines in enrollment.

Our next analysis is a comprehensive view of current educational staffing at Homer. We list almost every faculty position as a function of class assignments. We recognize that this approach may not recognize special assignments. However, we have found it is an appropriate way to illustrate an overview of district staffing. We then go on to provide the same analysis for future years using the actual enrollment projections. We suggest that the Homer governance and leadership teams use these data in the future and update them with enrollment changes.