

June 4, 1928

To The Board of Education,

Teaneck, N. J.

Gentlemen: At your request, the Department of Public Instruction has conducted a survey of building facilities for the ~~Township~~ of Teaneck and has recommended a school building program covering a period of ten years.

This survey has been conducted by Mr. Herbert W. Morse, Assistant Commissioner of Education in charge of Business affairs. The findings so far as they relate to Junior and Senior High School provision have been carefully examined by Dr. L. L. Jackson, Assistant Commissioner of Education in charge of Secondary Education. The elementary school problems have been studied by Mr. Roscoe L. West, Assistant Commissioner in charge of Elementary Education. Acknowledgement is made also of the cordial cooperation rendered by Mr. B. C. Wooster, County Superintendent of Schools of Bergen County.

The recommendations which appear on page one of this report provide for the building program which will adequately serve the needs of Teaneck Township.

Very sincerely yours,

Charles H. Elliott

Commissioner of Education.

A SCHOOL BUILDING PROGRAM FOR THE TOWNSHIP
OF TEANECK, BERGEN COUNTY

A careful study of the present school plant, of the Junior-Senior High School site and plans, and the probable increase in school population, seems to indicate the following program of expansion.

1. The immediate purchase of land in the vicinity of School Number 4 and 5 in order to provide 150 square feet of play space per child enrolled. The sites upon which the other four buildings are located are inadequate in size, but land cannot be acquired in the vicinity of the other school plants without the condemnation of dwellings.

2. The immediate purchase of the corner indicated to complete site A shown on Map I. This site cannot be used for a school building until this corner is acquired.

3. Erect by 1932-33 the following buildings, proceeding in the following order:

a. A seven-room elementary school with an auditorium and play-rooms on the site marked A on Map I.

b. The first unit, consisting of eight classrooms, auditorium, gymnasium, and special rooms, of an elementary school on the site marked B on Map I.

c. An addition to the Junior-Senior High School of approximately twenty classrooms. Before any more classrooms are added to this plant it will be necessary to determine if more Junior centers are necessary. It is probable that one or two centers near the end of the district should be developed for Junior High School in 1937-38. This problem should be studied in 1933 in order to shape the next step in the development of the school system.

4. By 1937-38 approximately 24 additional classrooms will be needed on the site marked B on Map I.

In Table II is shown the enrolment by grades for the school years 1919-20 to and including 1927-28 together with the estimated enrolments in grades 1-6 and 7-12 for 1932-33 and 1937-38. The enrolment in grades 1-6 increased from 881 in 1919-20 to 1679 in 1927-28 or an increase of 90.6 per cent. In grades 7-12 the increase for the same period was 299.5 per cent, thus the enrolment in grades 7-12 has been increasing about three times as fast as the enrolment in grades 1-6. It is estimated that the enrolment in grades 1-6 and grades 7-12 in 1932-33 will be 2690 and 1260 respectively, and in 1937-38, 4300 and 2020 respectively. There are many conditions which may operate to change these estimates.

TABLE II

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Enrolment by Grades 1919-20 to and including 1927-28 with estimated enrolments for 1932-33 and 1937-38

	Reception and Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Resident Enrolment Grades 9-12	Total Grades 1-6	Total Grades 7-12	Total
1919-1920	291	126	119	148	102	95	60	51	86	891	197	1078
1920-1921	295	121	120	119	143	98	83	56	91	896	230	1126
1921-1922	321	151	131	131	132	119	121	82	127	935	330	1315
1922-1923	375	163	173	141	174	126	150	93	145	1152	338	1540
1923-1924	449	166	172	178	153	156	141	151	130	1276	472	1748
1924-1925	512	190	216	206	186	164	153	134	201	1494	548	2032
1925-1926	554	223	204	216	217	190	164	159	236	1602	611	2213
1926-1927	596	248	256	213	192	263	166	176	349	1738	721	2459
1927-1928*	450	269	279	253	235	193	232	185	370	1679	787	2466
1932-1933**										2690	1260	3950
1937-1938**										4300	2020	6320

*Enrolment May 1, 1928

**Estimated Enrolments

At the present time Teaneck is using six school buildings to house an enrolment of 2096 pupils (as of May 1, 1928) in grades 1-8 inclusive. The pupils in grades 9-12 are sent to high schools in other districts. Table III gives in detail for each school the grade, enrolment, present number of seats, and the capacity based on eighteen square feet of floor space per seat. It will be noticed that many of the classrooms could seat many more pupils than are now enrolled based upon eighteen square feet of floor space per seat.

TABLE III

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Grade, Number of Pupils, Present Number of Seats, and Capacity based on eighteen square feet per seat.

<u>School</u> <u>Number</u> <u>One</u>	<u>Grade</u>	<u>Seatings</u>	<u>Capacity per</u> <u>18 sq. ft. of</u> <u>floor space</u> <u>per seat</u>	<u>Enrolment</u>
	8a	39	40	39
	8b	34	38	32
	8b & 7a	31	38	30
	7a	34	38	33
	7b	38	35	39
	6a	34	35	33
	6b	29	35	25
	5a	32	35	32
	5b	32	35	32
	4a	41	35	41
	4b	28	Storeroom	29
	3a	44	35	43
	3b	39	35	38
	3b2	31	35	30
	2a	39	35	40
	2b	34	40	33
	1a	36	40	36
	1a2	30	40	24
	1b	32	Auditorium	30
	1b2	36	Auditorium	38
	Rec.	30	40	30
Total		723	684	715

School Number
Two

8a	40	40	37
8b	37	35	32
7a2	39	35	27
7a	28	24	25
7b	37	35	27
7b2	32	27	25
6a	40	40	20
6b	40	40	23
5a	46	40	32
5b	46	40	33
4a	47	40	41
4b	24	25	23
3a	42	35	28
3b	46	40	27
2a	40	40	43
2b	43	40	44
1a	35	25	32
1b	41	40	46
Rec.	27	40	27
Total	729	681	592

School Number
Three

8	33	35	31
7	41	35	41
6	34	35	33
5	40	35	32
4	38	35	38
3	38	35	46
2	38	35	37
1	37	35	29
1	23	Basement	24
Rec.	22	35	22
Total	344	315	333

Part-Time

School Number
Four

6	23	Auditorium	23
5	23	Auditorium	23
4	29	35	27
3	28	35	23
2	28	35	29
1	31	35	28
Rec.	33	Auditorium	16
Total	196	130	169

School Number
Five

6	24	36	19
5	28	36	19
4	30	36	27
3	27	36	22
2	28	36	19
1	25	36	13
Rec.	24	Auditorium	20
Total	185	216	139

School Number
Six

6	27	36	17
5	31	36	24
4	32	36	27
3	31	36	22
2	30	36	24
1	29	36	24
Rec.	22	Auditorium	11
Total	202	216	149

The date of original construction, number of additions, number of classrooms, grades housed, number of seatings, capacity based on eighteen square feet of floor space per pupil and the enrolment for each school building are given in Table IV. This table does not include the auditoriums in buildings #1, 2, 4, 5, and 6 or the small room on the second floor in #1 or the basement room in #3 as these rooms are unsuitable for classroom purposes. Based upon seating capacity, 146 additional pupils could be seated provided all buildings could be filled to capacity. Without the use of any auditorium or other make-shift rooms. This would involve the sending of pupils from the overcrowded buildings to the buildings where seatings are available. With the completing of the new Junior-Senior High School now under construction, and the transferring of the seventh and eighth grades to the new building, five classrooms will be available for the use of the first six grades in building #1, six classrooms will be available in building #2, and two classrooms will be available in building #3. It will then be possible to seat 2242 pupils in grades 1-6 based upon 18 square feet of floor space per pupil without the use of auditoriums or make-shift rooms, provided all rooms could be filled to capacity.

TABLE III

School	Date of Original Construction	Number of Additions	Number of Classrooms	Grades Housed	Number of Seatings	Capacity per 18 sq. ft. of floor space per seat	Enrolment
#1	1921		18***	1-8	723	684	715
#2	1905	2	19*	1-8	729	681	592
#3	1915		9***	1-8	344	315	333
#4	1922		4*	1-8	195	130	168
#5	1926		6*	1-6	185	216	139
#6	1927		6*	1-6	202	216	149
Total			62		2378	2242	2096

* Does not include auditorium

** Does not include small room or second floor

*** Does not include basement room

On Map I is shown the location of the present elementary school buildings, the location of two sites owned by the Board of Education and the approximate residence of each child attending the elementary schools in grades one to six inclusive. Circles with a radius of one-half mile have been drawn around each elementary school, indicating the sections most directly served by each unit of the elementary school system. Circles with one-half mile radius have also been drawn around the two sites which are the property of the Board of Education. As shown by the map there is very little overlapping. The site marked A on this map is a very small site and a building of a maximum of seven classrooms should be planned for the site. This site cannot be used at all unless the corner property is secured by the Board of Education. The site marked B on the map is adequate in size and should be utilized for a building of a maximum of thirty-two classrooms. This site is located in the region that will have a very rapid development and a school on this site will relieve School #2 and #3.

Map II shows the location of the Junior-Senior High School and the approximate residence of each pupil in grades seven and eight. This is an ideal location in almost the exact center of the township and the building on this site will care for the pupils in grades seven and twelve inclusive with a minimum of walking. The pupils living the farthestest from this site will have slightly over a mile and a half to walk to reach the school.

THE SCHOOL PLANT

According to the State Building Score Card Schools #1,2,3,4,5 and 6 were given 74.6, 66.5, 88.5, 83.4, 93.2 and 93.4 per cent perfect respectively. Scoring the buildings according to the Strayer-Engelhardt Building Score Card the scores were 669, 607, 746, 776, 840 and 830 respectively. A building scoring between 800 and 1000 points is satisfactory, a building scoring 700 to 800 points is only fairly satisfactory and a building scoring 600 to 700 points is not satisfactory and ill-adapted to a modern educational program.

Schools #5 and #6 are the only present buildings where it should ever be considered possible to make additions. The scores of the buildings are given in Tables V and VI.

SCORES OF SCHOOL BUILDINGS IN TEANECK	ACCORDING TO STATE SCORE CARD						
	Perfect	School No.1	School No.2	School No.3	School No.4	School No.5	School No.6
Fireproof Construction	50	50	0	50	50	--	--
Auditorium	20	20	20	15	20	20	20
Height of Classroom Ceilings	60	60	60	60	60	60	60
Construction of " "	15	15	0	10	10	--	--
Color of Ceilings and Walls	30	30	15	30	30	30	30
Clockrooms, Wardrobes and Lockers	25	10	10	25	25	25	25
Exit Doors	40	40	40	40	40	40	40
Stairs	120	120	120	120	116	--	--
Classroom Floors	25	24	24	24	24	23	24
Blackboards	20	18	20	20	20	20	20
Fire Escapes	100	---	94	---	---	--	--
Light	100	50	40	100	100	100	100
Shades	20	15	15	15	15	20	20
Seatings	100	70	70	100	100	100	100
Ventilation	100	75	75	75	75	75	75
Heating System	50	50	50	50	50	50	50
Heater Room	25	25	0	25	25	25	25
Manual Training & Domestic Science Rooms	20	0	2	8	---	--	--
Toilet Rooms	80	0	0	30	0	60	60
Score of Building	1600	872	655	797	760	648	649
Per Cent Perfect	100.0	74.6	65.5	88.5	83.4	93.2	93.4

TABLE VI

#9

SCORES OF SCHOOL BUILDINGS IN TEANECK ACCORDING TO STRAYER-ENGLEHARDT BUILDING SCORE CARD

	Perfect	School No. 1	School No. 2	School No. 3	School No. 4	School No. 5	School No. 6
SITE	125	95	95	105	95	105	95
Location	55	55	55	55	55	55	55
Drainage	30	30	30	30	30	30	30
Size and Form	40	10	10	20	10	20	10
BUILDING	165	131	115	145	150	163	163
Placement	25	25	25	25	25	25	25
Gross Structure	60	43	40	55	52	60	60
Internal Structure	80	63	50	65	73	78	78
SERVICE SYSTEM	280	155	132	160	196	202	202
Heating and Ventilation	70	52	40	50	60	55	55
Fire Protection	65	48	40	50	56	60	60
Cleaning	20	0	0	0	0	0	0
Artificial Light	20	0	0	0	20	20	20
Electric Service	15	15	15	15	15	15	15
Water Supply	30	10	10	10	10	9	9
Toilets	50	20	18	25	25	33	33
Mechanical	10	(10)	(10)	(10)	(10)	(10)	(10)
CLASSROOMS	290	221	225	254	247	275	275
Location and Connection	35	30	30	35	35	35	35
Construction and Finish	95	68	63	76	84	90	90
Illumination	85	60	50	63	63	65	65
Cloakrooms and Wardrobes	25	15	15	25	20	25	25
Equipment	50	43	47	50	45	40	40
SPECIAL ROOMS	140	69	60	82	88	95	95
Large Rooms for General Use	65	22	20	32	25	35	35
Rooms for School Officials	35	20	20	25	23	20	20
Other Special Service Rooms	40	25	20	25	40	40	40
TOTAL	1000	669	607	746	776	840	830

SCHOOL #1

School Number One was originally erected in 1910, but it was almost entirely rebuilt after a fire in 1920. It is a two-story brick building with fire resistive corridors and stairwells. Two classes are held in the auditorium where the light is very poor. The manual training room in the basement is very small, with poor light, and is inadequate for manual training purposes. There is no artificial ventilation provided for the cloakrooms. Each classroom has one electric outlet which provides very little illumination on a dark day. The corridors are very poorly lighted.

The toilets are located in the basement and are inadequate in number. No exhaust fans are provided in the toilets as is required by the building code.

Panic bolts are provided on only one of the two doors at each exit. Each door of a two door exit should have panic bolts. The outside play space is very small when compared with the number of children enrolled.

SCHOOL #2

This building was originally constructed in 1900 with two additions, one in 1914 and the other in 1917. The old part of the building is without fire resistive corridors, while the two additions have fire resistive corridors. Two fire escapes and two fire resistive stairwells are provided. Several of the panic bolts were out of order and only one panic bolt is provided for the two door exits. Each door of a two door exit should have panic bolts.

An auditorium on the first floor is used for a sewing class and for a first grade. The light is very poor. Several of the classrooms are without cloakrooms, and the cloakrooms in the 1900 part are without any means of ventilation.

The janitor is using one of the cupboards in the first grade room for storing oil and dust down. This provides a fire hazard.

The toilets are inadequate in number, poorly lighted and without exhaust fans as required.

The manual training room in the basement is poorly lighted, small, and ill-adapted to manual training purposes.

Each classroom is provided with one electric outlet which is entirely inadequate on dark days. The corridors are very poorly lighted.

The outside play space is very small when compared with the number of children enrolled.

SCHOOL #3

This is a two-story building erected in 1915. An auditorium is provided on the second floor where one class is held.

Each classroom is provided with one electric outlet which is entirely inadequate to provide artificial illumination on dark days.

One class is held in a basement room. This room is very ill-adapted for classroom purposes and should not be used.

The toilets are located in the basement are inadequate in number and have not been kept clean. No paper towels are provided.

The manual training room in the basement is ill-adapted for manual training purposes.

The outside play space is very small when compared with the number of children enrolled.

SCHOOL #4

This building was originally erected in 1922 with the addition of an auditorium in 1927. This auditorium is divided into three classrooms by means of a folding door partition. This is a very unsatisfactory means of providing classroom facilities.

One panic bolt is provided at each exit. Each door of a two door exit should have panic bolts.

The toilets are inadequate in number and are not provided with exhaust fans as required.

The outside play space is very small compared with the number of children enrolled.

SCHOOLS #5 and #6

School #5, erected in 1926 and School #6 erected in 1927 are six room one-story buildings with an auditorium. They are very fine buildings, scoring 93.2 per cent and 93.4 per cent respectively on the State Building Score Card.

The auditorium in each building is used for classroom purposes. This is a very unsatisfactory arrangement.

The play space is inadequate when compared with the number of pupils enrolled.

Future School Building Needs of the school population of Teaneck is to increase in about the same ratio in the future that it has in the past additional school facilities will be necessary. It is estimated elsewhere in this report that the total school population in 1932-33 will be 3950 and in 1937-38, 6320. Using these estimates as a basis, there will be 2690 pupils in grades 1-6 and 1260 pupils in grades 7-12 in 1932-33 and 4300 pupils in grades 1-6 and 2020 pupils in grades 7-12 in 1937-38.

Allowing forty pupils per session in grades 1-6 and thirty-five pupils per session in grades 7-12, Teaneck will need a total of 103 classrooms in 1932-33 and a total of 165 classrooms in 1937-38 if the above estimates are correct.

In table VI are given the number of classrooms needed.

TABLE VINUMBER OF CLASSROOMS NEEDED

Year	Classrooms for Grades 1-6	Classrooms for Grades 7-12	Total Number of Classrooms
1932-33	67	36	103
1937-38	107	58	165

The above rooms do not include such special rooms as manual training, domestic science, art, laboratories, gymnasiums and auditoriums.

There are, of course, many conditions which may change the estimates given.

With the completion of the new Junior-Senior High School now under process of construction, there will be available a total of 25 classrooms for grades seven to twelve inclusive and a total of 62 classrooms in the present buildings for grades one to six inclusive. Thus, by 1932-33 additional classrooms will be needed for both the elementary and the Junior-Senior High School population. Unfortunately the sites upon which the present buildings are located are so small that they do not permit of additional building if 150 square feet of playground space is to be provided per pupil. There is very little land available adjacent to the present sites. Where such land is available, it is recommended that the present sites be enlarged.

The policy of the Board of Education has favored small classes. In fact only 15 of the 62 classrooms at present available have a capacity based on 18 sq. ft. of floor space per pupil of 40 pupils per classroom. If this policy is to be continued, classrooms in addition to those estimated above will be needed.

It is recommended that by 1932-33, an elementary school of approximately seven rooms, with an auditorium and playrooms be erected on site marked A on Map I. This should be the first step in the building program. Also by 1932-33, the first unit of eight classrooms, auditorium, gymnasium and special rooms for an elementary school to eventually become a thirty-two room building, should be erected on the site marked B on Map I. This should be the second step in the building program.

It is also recommended that by 1932-33, an additional unit be added to the Junior-Senior High School of approximately 20 classrooms and that, upon completion of this addition, the Junior High School (grades 7 to 9 inclusive) be separated from the Senior High School (grades 10 to 12 inclusive) and the two be operated as separate units upon the same site.

By 1937-38 approximately 24 classrooms will be needed for elementary school pupils, provided our estimates are correct. These should be provided by an addition to the building on site marked B on Map I.