

1971 - 1972 ACHIEVEMENT TESTING REPORT

The following pages comprise the report on districtwide achievement testing for the school year 1971-72. The report is divided into three sections.

1. Statistical Summary of Achievement Testing in the Ravenswood District.

This part of the report is divided according to grade level and test used. Two general comments should be made to clarify the method of reporting and its usefulness. First, the spring scores are reported in terms of raw score, grade equivalent and percentile. Each of these methods has advantages and disadvantages which were covered in the Spring Handbook on Testing. In addition to the traditional mean (average) score, median scores are also reported. The median score is that of the middle student in the distribution. Median scores are generally considered to be more useful than mean scores because they are not subject to distortion. Mean scores can vary considerably with the presence of extreme (either high or low) scores. The second comment is a suggestion that comparisons among the grades may be most meaningfully and easily made on the basis of percentiles. While such a comparison shows a gradual decline from early to later grade levels, the decline is small and appears to level off at grade six. Additionally, comparisons between fall and spring for the same students tend to show expected to above expected growth for our students.

2. Report of the Advisory Committee on the Statewide Testing Program.

Most of the recommendations in this report have been included in AB665, authored by Leroy Greene. The report is included here for informational purposes. It is well-known that there is a general dissatisfaction with educational testing. This concern is greater when those being tested come from different socio-economic and cultural backgrounds. The questions raised by the report need thoughtful consideration by the District.

3. Recommendations.

The third section of this report consists of recommendations made by the Student Services Department to the Board of Trustees.

Statistical Summary of Achievement Testing

Kindergarten

This year, kindergarten was tested using two different instruments: McGraw Hill's Test of Basic Experiences (TOBE) and Harcourt Brace's Stanford Early School Achievement Test. TOBE was used in Title I schools and Follow Through. The Stanford was given to all kindergarteners except those at Belle Haven. Both tests were given in both fall and spring.

TOBE is a test made up of four subtests: Language, Mathematics, Social Studies, and General Concepts. Our testing used only Language and Mathematics. Each question on the TOBE refers to a different skill or concept. Its main intent is to identify skills mastered or which need to be mastered by individual children or groups of children. While the test is normed (percentiles for midyear Kindergarten and midyear First Grade) the norms are not traditional in a statistical sense. In other words, TOBE is more aptly termed a "criterion referenced test" than a "norm referenced test."

The Stanford Early School Achievement Test also consists of four sub tests: The Environment, Social Studies and Science, Mathematics, Letters and Sounds. While the Stanford also covers specific skills, it is traditionally normed (fall of Kindergarten and fall of First Grade percentiles).

The tables which follow give comparisons for fall and spring of mean and median scores for both the TOBE and Stanford tests. Median gains on both tests show average or better than average growth during the period between pre-test and post-test.

TEST OF BASIC EXPERIENCES

	<u>Mathematics</u>		<u>Language</u>	
	<u>Fall '71</u>	<u>Spring '72</u>	<u>Fall '71</u>	<u>Spring '72</u>
Mean Raw Score	11.45	17.21	13.67	19.07
Kindergarten Midyear %ile	23%	64%	30%	72%
1st Grade Midyear %ile	3%	18%	5%	22%
Median Raw Score	11.46	17.92	14.05	19.83
Kindergarten Midyear %ile	23%	71%	30%	80%
1st Grade Midyear %ile	3%	24%	5%	29%

Stanford Early School Achievement Test

	<u>Fall '71</u>	<u>Spring '72</u>
Mean Raw Score	65.8	94.49
Kindergarten Beginning year %ile	46%	90%
First Grade Beginning Year %ile	— 8%	42%
Median Raw Score	61.89	98.00
Kindergarten Beginning Year %ile	38%	94%
First Grade Beginning Year %ile	— 6%	50% <i>where middle</i>

Primary Grades

The following two tables give results of spring testing for grades one through three on the Cooperative Primary Reading Test and the Cooperative Primary Math Test. Comparisons for the district are given for the spring of 1971. Title I scores for both fall and spring are also given.

While third grade scores are still below grade level, they have moved up from 1971. This growth may be accounted for, in part, by the change from the Stanford Achievement Test to the Cooperative Primary Achievement Test. However, intervention efforts on the third grade level appear to have had a positive effect on student progress.

Difference

DISTRICT - MAY 1972
MATHEMATICS TEST RESULTS

	ALL SCHOOLS		TITLE I SCHOOLS	
	Spring '72	Spring '71	Spring '72	Fall '71
Grade One-COOP 12A				
Mean - Raw Score	34.2 ↓	35.0 ✓	31.7	20.2
Grade Equivalent	1.7 ↓	1.8 ✓	1.5	1.1
Percentile	42%	42%	34%	---
Median - Raw Score	34.6	---	32.0	20.7
Grade Equivalent	1.8	---	1.5	1.1
Percentile	42%	---	34%	---
Grade Two-COOP 23A				
Mean - Raw Score	29.7 ↑	28.6	28.2	20.5
Grade Equivalent	2.6 ↑	2.5	2.4	1.6
Percentile	40%	37%	37%	---
Median - Raw Score	29.3	---	28.3	21.9
Grade Equivalent	2.5	---	2.4	1.8
Percentile	37%	---	37%	---
Grade Three-COOP 23B				
Mean - Raw Score	35.7	---	33.7	25.1
Grade Equivalent	3.3	---	3.1	2.2
Percentile	37%	---	27%	18%
Median - Raw Score	* 36.0	---	33.5	24.8
Grade Equivalent	3.3	---	3.1	2.2
Percentile	37%	---	27%	18%

DISTRICT - MAY 1972
READING TEST RESULTS

ALL SCHOOLS

TITLE I SCHOOLS

	Spring '72	Spring '71	Spring '72	Fall '71
Grade One-COOP 12A				
Mean - Raw Score	27.3 ↓	28.1	25.2	12.7
Grade Equivalent	2.0	2.0	1.9	1.1
Percentile	69% ↓	72%	60%	---
Median - Raw Score				
	25.5	---	22.8	15.1
Grade Equivalent	1.9	---	1.8	1.3
Percentile	65%	---	51%	---
Grade Two-COOP 23A				
Mean - Raw Score	26.8 ↓	27.4	25.4	17.8
Grade Equivalent	2.8	2.8	2.6	1.9
Percentile	50%	50%	44%	---
Median - Raw Score				
	26.8	---	27.2	18.3
Grade Equivalent	2.8	---	2.8	1.9
Percentile	50%	---	50%	---
Grade Three-COOP 23B				
Mean - Raw Score	34.0	---	32.1	23.6
Grade Equivalent	* 3.3	3.1*	3.1	2.3
Percentile	36%	---	30%	29%
Median - Raw Score				
	35.0	---	33.2	23.6
Grade Equivalent	3.4	---	3.2	2.3
Percentile	39%	---	33%	29%

*STANFORD ACHIEVEMENT TEST

Intermediate and Junior High

The following tables give district breakdowns for student achievement on McGraw Hill's Comprehensive Tests of Basic Skills (CTBS). The first table shows mean and median scores for the fourth, fifth, and sixth grades on spring tests. The second table gives information on fall testing for these same students. The third table shows achievement scores for eighth graders for both spring and fall.

Fall 1971
CTBS

Summary

FOURTH GRADE *1 ↓*

Mean Raw Score
Grade Equivalent
%ile

Median Raw Score
Grade Equivalent
%ile

FIFTH GRADE *2 ↓*

Mean Raw Score
Grade Equivalent
%ile

Median Raw Score
Grade Equivalent
%ile

SIXTH GRADE *2 ↓*

Mean Raw Score
Grade Equivalent
%ile

Median Raw Score
Grade Equivalent
%ile

	READING VOCABULARY	READING COMPREHENSION	READING TOTAL	LANGUAGE MECHANICS	LANGUAGE EXPRESSION	SPELLING	LANGUAGE TOTAL	ARITHMETIC COMPUTATION	ARITHMETIC CONCEPTS	ARITHMETIC APPLICATIONS	ARITHMETIC TOTAL
FOURTH GRADE											
Mean Raw Score											
Grade Equivalent											
%ile											
Median Raw Score											
Grade Equivalent											
%ile	3.5	3.3	3.4	3.0	3.0	3.2	3.1	3.5	3.2	3.4	3.3
FIFTH GRADE											
Mean Raw Score											
Grade Equivalent											
%ile											
Median Raw Score											
Grade Equivalent											
%ile	4.2	3.8	4.0	3.5	3.4	3.9	3.6	4.2	3.9	3.7	4.1
SIXTH GRADE											
Mean Raw Score											
Grade Equivalent											
%ile											
Median Raw Score											
Grade Equivalent											
%ile	4.4	4.0	4.2	3.7	3.8	4.6	4.1	4.6	4.3	4.2	4.5

SPRING - 1972

CTBS

DISTRICT TOTALS

FOURTH GRADE

Mean Raw Score

	READING VOCABULARY	READING COMPREHENSION	READING TOTAL	LANGUAGE MECHANICS	LANGUAGE EXPRESSION	SPELLING	LANGUAGE TOTAL	ARITHMETIC COMPUTATION	ARITHMETIC CONCEPTS	ARITHMETIC APPLICATIONS	ARITHMETIC TOTAL
Mean Raw Score	18.77	20.06	38.88	10.47	12.87	14.71	37.96	24.66	13.62	7.74	46.10
Grade Equivalent	4.0	3.9	4.0	3.9	3.7	3.8	3.8	4.3	4.0	4.1	4.1
%ile	35%	34%	35%	35%	33%	33%	31%	35%	35%	37%	32%
Median Raw Score	18.81	19.18	36.92	10.21	12.74	14.50	36.00	24.29	13.16	7.58	43.50
Grade Equivalent	4.0	3.7	3.8	3.9	3.7	3.8	3.6	4.2	3.8	4.1	4.0
%ile	35%	31%	31%	35%	33%	33%	28%	31%	31%	37%	28%

Grade Equivalent

%ile

Median Raw Score

Grade Equivalent

%ile

FIFTH GRADE

Mean Raw Score

Mean Raw Score	19.00	21.55	40.58	12.32	15.87	16.83	45.02	30.26	15.87	8.42	54.80
Grade Equivalent	4.7	4.4	4.6	4.4	4.1	4.9	4.5	4.8	4.7	4.4	4.7
%ile	32%	30%	30%	29%	27%	32%	28%	26%	30%	28%	28%
Median Raw Score	18.25	20.52	38.48	11.59	16.48	18.51	44.90	31.86	15.86	8.16	54.10
Grade Equivalent	4.6	4.3	4.4	4.4	4.1	5.2	4.5	5.0	4.7	4.4	4.7
%ile	29%	28%	27%	29%	27%	40%	28%	32%	30%	28%	27%

Grade Equivalent

%ile

Median Raw Score

Grade Equivalent

%ile

SIXTH GRADE

Mean Raw Score

Mean Raw Score	25.08	25.58	50.64	13.29	16.79	19.68	49.98	34.24	19.03	10.94	64.30
Grade Equivalent	5.0	4.7	4.9	4.6	5.0	5.0	4.9	5.2	5.1	5.0	5.1
%ile	23%	24%	22%	21%	27%	23%	21%	19%	24%	23%	20%
Median Raw Score	25.58	26.13	50.50	13.60	17.21	21.55	51.75	36.98	20.25	11.08	66.30
Grade Equivalent	5.1	4.7	4.9	4.9	5.0	5.6	5.0	5.6	5.3	5.0	5.2
%ile	25%	24%	22%	24%	27%	33%	24%	26%	28%	23%	22%

Grade Equivalent

%ile

Median Raw Score

Grade Equivalent

%ile

CTBS

DISTRICT TOTALS

EIGHTH GRADE - Spring '72

Mean Raw Score

21.85 24.79 46.63

Grade Equivalent

6.9 6.5 6.7

%ile

26% 26% 25%

Median Raw Score

22.26 25.29 47.40

Grade Equivalent

6.9 6.5 6.7

%ile

26% 26% 25%

EIGHTH GRADE - Fall '71

Median Grade Equivalent

5.8 4.8 5.3

READING
VOCABULARY

READING
COMPREHENSION

READING
TOTAL

LANGUAGE
MECHANICS

LANGUAGE
EXPRESSION

SPELLING

LANGUAGE
TOTAL

ARITHMETIC
COMPUTATION

ARITHMETIC
CONCEPTS

ARITHMETIC
APPLICATION

ARITHMETIC
TOTAL

28.75 17.07 9.87 55.7

7.0 6.9 6.2 6.8

27% 24% 21% 24%

27.86 16.95 9.79 53.0

6.8 6.9 6.2 6.5

25% 24% 21% 21%

5.9 6.0 5.4 5.8