

REPORT OF GROUP INTELLIGENCE AND ACHIEVEMENT TESTS 1963-64

THE SECOND GRADE STUDENTS IN THE DISTRICT WERE ADMINISTERED THE CALIFORNIA READING ACHIEVEMENT TEST DURING THE MONTH OF OCTOBER. THE RESULTS SHOWED THAT THE AVERAGE READING LEVEL FOR THE SECOND GRADERS IN THE RAVENSWOOD SCHOOL DISTRICT WAS AT THE SECOND GRADE-FOURTH MONTH LEVEL. ALTHOUGH THERE WAS NO CHECK OF THE INTELLIGENCE LEVEL FOR THE SECOND GRADERS, IF IT CAN BE ASSUMED THAT THEY ARE OF AVERAGE ABILITY, THEN IT COULD BE STATED THAT THE SECOND GRADE STUDENTS ARE READING AT A LEVEL APPROXIMATELY THREE MONTHS BEYOND WHAT WOULD BE EXPECTED FOR THEM.

THE THIRD GRADE STUDENTS IN THE DISTRICT WERE ADMINISTERED THE CALIFORNIA READING AND THE CALIFORNIA ARITHMETIC TESTS AND THE CALIFORNIA TEST OF MENTAL MATURITY DURING THE MONTH OF OCTOBER. THE AVERAGE IQ. FOR THE THIRD GRADERS WAS 98.5 WHICH FALLS WITHIN THE AVERAGE RANGE OF INTELLIGENCE. THE AVERAGE READING LEVEL FOR THE THIRD GRADERS WAS AT THIRD GRADE-SECOND MONTH. THE AVERAGE ARITHMETIC LEVEL WAS THIRD GRADE-FIRST MONTH. WHEN FIGURING THE ANTICIPATED ACHIEVEMENT LEVEL FOR THE THIRD GRADE STUDENTS BASED ON THEIR AVERAGE INTELLECTUAL ABILITY, IT WAS FOUND THAT THE PUPILS ARE READING FOUR MONTHS BEYOND THEIR ANTICIPATED EXPECTANCY, AND THEY ARE THREE MONTHS BEYOND THEIR EXPECTANT ACHIEVEMENT LEVEL IN ARITHMETIC.

DURING THE MONTH OF OCTOBER, THE FOURTH GRADE STUDENTS WERE ADMINISTERED THE CALIFORNIA ACHIEVEMENT TESTS BATTERY. THIS BATTERY MEASURES ACHIEVEMENT IN THE SUBJECTS OF READING, ARITHMETIC, AND LANGUAGE ARTS. IF IT IS AGAIN ASSUMED THAT THE FOURTH GRADE STUDENTS IN THE RAVENSWOOD CITY SCHOOL DISTRICT HAVE AVERAGE INTELLIGENCE, THEN THE READING ACHIEVEMENT LEVEL OF FOURTH GRADE-SECOND MONTH, THE ARITHMETIC LEVEL OF FOURTH GRADE, AND THE LANGUAGE ARTS ACHIEVEMENT LEVEL OF FOURTH GRADE-FOURTH MONTH WOULD INDICATE THAT THE STUDENTS ARE WORKING AT A LEVEL COMMENSURATE WITH THEIR ABILITIES.

THE FIFTH GRADE STUDENTS WERE ADMINISTERED THE CALIFORNIA ACHIEVEMENT TEST BATTERY AND THE CALIFORNIA TESTS OF MENTAL MATURITY DURING THE LATTER PART OF OCTOBER. RESULTS OF THIS TESTING SHOWED THAT THE AVERAGE INTELLIGENCE QUOTIENT FOR THESE STUDENTS WAS 101. ON THE BASIS OF THIS INTELLECTUAL ABILITY, THE AVERAGE READING ACHIEVEMENT OF FIFTH GRADE-FIFTH MONTH WAS APPROXIMATELY TWO MONTHS ABOVE THAT ANTICIPATED FOR THESE STUDENTS. IN ARITHMETIC ACHIEVEMENT, THE AVERAGE ACHIEVEMENT LEVEL WAS FIFTH GRADE-SECOND MONTH WHICH WAS ONE MONTH BELOW THE ANTICIPATED FOR THESE STUDENTS. IN THE AREA OF LANGUAGE ARTS, THE AVERAGE ACHIEVEMENT LEVEL WAS FIFTH GRADE-FIFTH MONTH WHICH IS APPROXIMATELY TWO MONTHS ABOVE THE ANTICIPATED ACHIEVEMENT FOR THESE STUDENTS.

THE SIXTH GRADE STUDENTS WERE ADMINISTERED THE CALIFORNIA ACHIEVEMENT TESTS BATTERY DURING THE MONTH OF OCTOBER. THE RESULTS FOR THESE STUDENTS SHOWED THAT IN THE AREA OF READING, THE AVERAGE ACHIEVEMENT LEVEL WAS SIXTH GRADE-SECOND MONTH. IN THE AREA OF ARITHMETIC, THE

AVERAGE ACHIEVEMENT LEVEL WAS FIFTH GRADE-NINE MONTH, AND IN THE LANGUAGE ARTS AREA THE AVERAGE ACHIEVEMENT WAS SIXTH GRADE-SECOND MONTH. THE SIX GRADERS WERE NOT ADMINISTERED AN ABILITY TEST, BUT IF IT CAN BE ASSUMED THAT THEY HAVE AVERAGE INTELLECTUAL ABILITY, THEN THEIR ACHIEVEMENT LEVEL, WITH THE EXCEPTION OF ARITHMETIC, WAS AT A LEVEL COMMENSURATE WITH THEIR ABILITY. THE TOTAL ARITHMETIC ACHIEVEMENT WOULD BE APPROXIMATELY TWO MONTHS BELOW THE ANTICIPATED LEVEL FOR THE SIXTH GRADE STUDENTS.

THE CALIFORNIA TEST OF MENTAL MATURITY AND THE CALIFORNIA ACHIEVEMENT TEST BATTERY WERE ADMINISTERED TO THE SEVENTH GRADERS DURING THE LATTER PART OF OCTOBER. THE RESULTS OF THESE TESTS INDICATED THAT THE AVERAGE IQ. FOR THE SEVENTH GRADERS IN THIS DISTRICT WAS 98, WHICH FALLS WITHIN THE AVERAGE RANGE OF INTELLIGENCE. THE AVERAGE ACHIEVEMENT LEVEL FOR THE SEVENTH GRADERS WAS SIXTH GRADE-NINTH MONTH FOR READING, SIXTH GRADE-SIX MONTH IN ARITHMETIC, AND SIXTH GRADE-NINTH MONTH IN LANGUAGE ARTS. WHEN COMPARING THE ACHIEVEMENT RESULTS FOR THE SEVENTH GRADERS WITH THEIR ANTICIPATED ACHIEVEMENT BASED ON THEIR INTELLECTUAL ABILITY, IT WAS FOUND THAT THESE STUDENTS WERE FUNCTIONING ONE MONTH BELOW THEIR ANTICIPATED LEVEL IN THE AREA OF READING, FOUR MONTHS BELOW THEIR ANTICIPATED LEVEL IN THE AREA OF ARITHMETIC, AND ONE MONTH BELOW THEIR ANTICIPATED LEVEL OF ACHIEVEMENT IN LANGUAGE ARTS.

THESE TEST DATA INDICATED THAT THE STUDENTS IN RAVENSWOOD ELEMENTARY SCHOOL DISTRICT IN GRADES THREE, FIVE, AND SEVEN SHOW AN AVERAGE INTELLIGENCE QUOTIENT VERY SIMILAR TO THE AVERAGE IQ. FOR OTHER STUDENTS IN THE SAME GRADES THROUGHOUT THE NATION. RESULTS SHOWED A TENDENCY FOR THE AVERAGE INTELLIGENCE QUOTIENT TO BE LOWER AT THE SEVENTH GRADE WHEN COMPARED WITH THE FIFTH GRADE, BUT THE SEVENTH GRADE RESULTS WERE ALMOST IDENTICAL WITH THOSE OF THE THIRD GRADE. THE DIFFERENCE AMONG THESE THREE GRADES IS NOT LARGE ENOUGH TO CONSTITUTE A SIGNIFICANT STATISTICAL DIFFERENCE.

THE ACHIEVEMENT RESULTS FOR THE STUDENTS IN GRADES FOUR THROUGH SEVEN SHOWED THAT IN THE SUBJECTS OF READING AND LANGUAGE ARTS, THE STUDENTS ARE ACHIEVING ON A LEVEL AT OR ABOVE THAT EXPECTED FOR THEM BASED ON THEIR INTELLECTUAL ABILITY. THE STUDENTS' RESULTS IN THE AREA OF ARITHMETIC ACHIEVEMENT NOT ONLY SHOWED THEM TO BE ONE TO THREE MONTHS BELOW THEIR ACHIEVEMENT LEVELS FOR LANGUAGE ARTS AND READING, BUT IT ALSO SHOWED THEIR ACHIEVEMENT TO BE BELOW THE ANTICIPATED LEVEL BASED ON THEIR INTELLECTUAL ABILITY. THIS DIFFERENCE BETWEEN THE ACTUAL ACHIEVEMENT LEVEL AND THE ANTICIPATED ACHIEVEMENT LEVEL IN THE AREA OF ARITHMETIC WAS MOST PRONOUNCED AT THE SEVENTH GRADE LEVEL WHERE THE STUDENTS SHOWED A NEGATIVE DIFFERENCE OF APPROXIMATELY FOUR MONTHS. ALTHOUGH THESE DIFFERENCES ARE NOT LARGE ENOUGH TO BE CONSIDERED STATISTICALLY SIGNIFICANT, THEY NEVERTHELESS CONSTITUTE A DIFFERENCE THAT SHOULD BE EXAMINED FURTHER IN ORDER TO DETERMINE WHETHER SOME CHANGES IN THE ARITHMETIC CURRICULUM ARE WARRANTED.

SECOND GRADE READING ACHIEVEMENT RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVERAGE READING SCORE</u>	<u>DIST. AVERAGE</u>
BELLE HAVEN	2.1	2.4
BRENTWOOD	2.3	2.4
COSTANO	2.8	2.4
FLOOD	2.9	2.4
KAVANAUGH	2.6	2.4
O'CONNOR	---*	2.4
RAVENSWOOD	2.3	2.4
WILLOW	2.7	2.4

*VALID RESULTS NOT AVAILABLE.

THIRD GRADE GROUP TEST RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVERAGE IQ.</u>	<u>READING</u>		<u>ARITH.</u>	
		<u>ANT.*</u>	<u>ACH.</u>	<u>ANT.</u>	<u>ACH.</u>
BELLE HAVEN	94	2.9	3.0	2.9	2.9
BRENTWOOD	93	2.9	2.6	2.9	2.9
COSTANO	104	3.3	3.6	3.3	3.2
FLOOD	109	3.5	3.7	3.5	3.3
KAVANAUGH	99	3.1	3.5	3.1	3.2
O'CONNOR	99	3.1	3.2	3.1	2.9
RAVENSWOOD	99	3.1	3.3	3.1	3.3
WILLOW	106	3.4	3.8	3.3	3.5
<u>TOTAL DIST.</u>	98.5	3.1	3.2	3.1	3.1

*"ANTICIPATED ACHIEVEMENT VALUES REPRESENT THE NORM PERFORMANCE OF A NATIONWIDE SAMPLE OF PUPILS ON THE CALIFORNIA ACHIEVEMENT TESTS AT A PARTICULAR GRADE CLASSIFICATION WITH THE SAME MENTAL AND CHRONOLOGICAL AGES."

FOURTH GRADE ACHIEVEMENT TEST RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVERAGE READING</u>	<u>AVERAGE ARITH.</u>	<u>AVERAGE LANGUAGE</u>
BELLE HAVEN	3.6	3.8	3.8
BRENTWOOD	4.0	4.0	4.2
COSTANO	4.2	4.0	4.4
FLOOD	4.7	4.1	4.6
KAVANAUGH	4.3	4.1	4.5
O'CONNOR	4.4	4.1	4.7
RAVENSWOOD	3.4	3.5	3.7
WILLOW	5.2	4.6	5.1
<u>TOTAL DIST.</u>	4.2	4.0	4.4

FIFTH GRADE GROUP TEST RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVER. IQ.</u>	<u>READING</u>		<u>ARITH.</u>		<u>LANG.</u>	
		<u>ANT.</u>	<u>ACT.</u>	<u>ANT.</u>	<u>ACT.</u>	<u>ANT.</u>	<u>ACT.</u>
BELLE HAVEN	93	4.8	4.5	4.8	4.7	4.8	4.7
BRENTWOOD	99	5.2	5.0	5.2	4.9	5.2	5.0
FLOOD	110	6.0	6.1	5.8	5.7	6.0	6.4
COSTANO	110	6.0	6.5	6.0	6.0	6.0	6.7
GARDEN OAKS	93	4.8	4.6	4.8	4.7	4.8	4.7
KAVANAUGH	101	5.2	5.3	5.2	5.2	5.2	5.5
O'CONNOR	110	6.0	6.5	5.8	5.7	6.0	6.3
RAVENSWOOD	98	5.1	5.5	5.1	5.1	5.1	5.3
WILLOW	105	5.5	6.0	5.4	5.2	5.5	5.8
<u>TOTAL DIST.</u>	101	5.3	5.5	5.3	5.2	5.3	5.5

SIXTH GRADE ACHIEVEMENT TEST RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVERAGE READING</u>	<u>AVERAGE ARITH.</u>	<u>AVERAGE LANGUAGE</u>
BELLE HAVEN	5.2	5.0	5.0
COSTANO	6.7	6.2	6.6
FLOOD	7.5	6.8	7.2
GARDEN OAKS	6.0	5.8	6.1
GREEN OAKS	5.5	5.4	5.5
KAYANAUGH	6.0	5.8	6.0
O'CONNOR	7.0	6.4	6.5
RAVENSWOOD	6.1	5.9	6.2
WILLOW	6.9	6.4	6.8
<u>TOTAL DIST.</u>	6.3	5.9	6.2

SEVENTH GRADE GROUP TEST RESULTS
OCTOBER, 1963

<u>SCHOOL</u>	<u>AVER. IQ.</u>	<u>READING</u>		<u>ARITH.</u>		<u>LANG.</u>	
		<u>ANT.</u>	<u>ACT.</u>	<u>ANT.</u>	<u>ACT.</u>	<u>ANT.</u>	<u>ACT.</u>
GARDEN OAKS	96	7.0	6.7	7.0	6.5	6.9	6.9
GREEN OAKS	94	6.8	6.5	6.9	6.4	6.8	6.4
MENLO OAKS	105	7.6	7.9	7.4	7.2	7.6	7.6
<u>TOTAL DIST.</u>	98	7.0	6.9	7.0	6.6	7.0	6.9