

**School District of Whitefish Bay
1200 East Fairmount Avenue
Whitefish Bay, Wisconsin 53217**

TO: Instruction Committee
FROM: Laura Myrah
cc: Dr. Jim Rickabaugh
RE: 2008-2009 Results of District and State Assessment Measures
DATE: July 28, 2009

Recommendation: That the Instruction Committee accept the 2008-2009 District Assessment Report.

Background: This annual report gives a broad view of student performance on various district, state and national assessments. It is important to note that each of these assessments is only one measure of how our students are performing.

The report is organized into the following sections:

Part One: Overview of Assessments, including the test, the origin of the test, the dates of administration and a brief description of the assessment.

Part Two: Results of the Wisconsin Knowledge and Concepts Examination (WKCE) for students in grades 4, 8 and 10 (math, reading, science, social studies, language arts) and grades 3, 5, 6, 7 (math and reading).

Part Three: Results of the Iowa Test of Basic Skills (ITBS) for grades 3, 5, and 7. The ITBS is a locally adopted national assessment, and has been used by the district for many years.

Part Four: Results of the ACT and SAT along with summary data on National Merit Scholars

Laura will give an oral report on a synthesis of this document at the Instruction Committee meeting. Additionally, Laura will highlight some strengths and challenges related to these data. Finally, Laura will provide additional information on the achievement dashboard.

SCHOOL DISTRICT OF WHITEFISH BAY
1200 EAST FAIRMOUNT AVENUE
WHITEFISH BAY, WISCONSIN 53217

2008-09

**Report of
Student Achievement**

**Knowledge and Concepts Examinations
Iowa Tests of Basic Skills
Scholastic Aptitude Test
American College Test
National Merit Scholarship Qualifying Test**

Part ONE

Overview of District Assessments

Overview of District Assessments

The School District of Whitefish Bay currently administers an assessment program comprised of the following measures:

| Test | Origin | Dates of Administration | Description of this measure |
|--|---|-------------------------|---|
| Wisconsin Student Assessment System: <i>Knowledge and Concepts Examination</i> | Administration by Wisconsin public schools required by law: grades 4, 8, and 10 in reading, language arts, math, science and social studies. 3, 5, 6, 7 in math and reading only. | November | Multiple choice tests: X reading X mathematics X language X science and X social studies Short answer tests in: X reading X mathematics X social studies X science These two types of tests combine to yield a score which places a student in one of four categories: X Advanced Proficient X Proficient X Basic X Minimal Writing Test: requires students to plan, write and edit one composition on assigned topics. This test yields one holistic score from 1 to 6 points, and a conventions score from 1 to 3 points. |

| Test | Origin | Dates of Administration | Description of this measure |
|--|-------------------------------------|-------------------------|--|
| <i>Iowa Tests of Basic Skills and the Cognitive Abilities Test (ITBS and CogAT)</i> | District assessment Grades 3,5,7 | February | Cognitive Abilities measures the student's ability to work with three basic types of symbols (verbal, quantitative, and geometric) involved in the learning process. Iowa Tests of Basic Skills measure academic performance in the areas of reading, language, mathematics, and work-study skills. The test yields a national percentile score for each student in each of the tested areas, along with a grade equivalent score. |

Elective Assessments

| Test | Origin | Dates of Administration | Description of this measure |
|------------|----------------------------------|-----------------------------|--|
| ACT | American College Testing Program | throughout grades 11 and 12 | College entrance exam which measures the four basic areas of English, mathematics, reading, and science reasoning. |
| SAT | Scholastic Aptitude Test | throughout grades 11 and 12 | College entrance exam which measures verbal and mathematical reasoning abilities related to successful performance in college. |

Understanding the Scores

National Percentile Rank

Some spreadsheets show the scores of our students in percentile rankings. This score shows the relative strength or rank when compared to a group of students who are in the same grade and who were tested at the same time of year during the national standardization. This large group of students attended schools that are representative of schools throughout the nation in terms of region, enrollment size, and socioeconomic status. The district also looks carefully at the local percentile rank information. This score permits an interpretation of individual achievement in terms of local conditions such as particular curricular issues, community background, etc. Both of these scores are useful for analysis of areas of strength and weakness for an individual student, a group of students, or a grade level.

Grade Equivalent

Some spreadsheets show the scores of our students in grade equivalent scores. The grade equivalent score is a number that describes a student's location on an achievement continuum. Grade equivalent scores are useful and convenient for measuring individual or group growth over time, and for estimating developmental status in terms of grade level.

It should be noted that all test scores are useful to a degree, yet each has limitations and can lead to misunderstandings. The key is to use the type of score that matches the purposes for testing.

Proficiency Levels

These are levels of performance established by the State of Wisconsin.

There are four proficiency levels: Advanced, Proficient, Basic and Minimal. The levels of achievement expected for each level vary across each subtest area. A national percentile score might yield an advanced score in one subtest area, and a similar percentile score might yield a score of basic in another level.

Proficiency Scores: Their Categories and Characteristics

| Advanced | Proficient | Basic | Minimal Performance |
|---|--|---|--|
| The student is distinguished in the content area. Academic achievement is beyond mastery. Test score provides evidence of in-depth understanding in the academic content area tested. | The student is competent in the content area. Academic achievement includes mastery of the important knowledge and skills. Test score shows evidence of skills necessary for progress in the academic content area tested. | The student is somewhat competent in the content area. Academic achievement includes mastery of most of the important knowledge and skills. Test score shows evidence of at least one major flaw in understanding the academic content area tested. | There is limited achievement in the content area. Test score shows evidence of major misconceptions or gaps in knowledge and skills tested in the academic content area. |

Part TWO

Wisconsin Student Assessment System Knowledge and Concepts Examination

Grades 3,4,5,6,7,8 and 10

Understanding the Wisconsin Knowledge and Concepts Examination (WKCE) 4TH, 8th and 10th Grade Test Results

The **WKCE** test at grades 4,8 and 10 consist of two sections: the **Knowledge and Concepts Examinations** and the **Writing Assessment**.

Knowledge and Concepts:

The Knowledge and Concepts Examination is a combination of multiple-choice and short-response items in four curriculum areas: Reading/Language Arts, Mathematics, Science, and Social Studies in grades 4,8 and 10. In grades 3,5,6 and 7 students are tested only in Reading and Mathematics.

The state prefers to report the scores in terms of the four proficiency categories; minimal, basic, proficient and advanced.

Writing:

The WKCE Writing Assessment requires students to plan, write, and edit a composition on a specific topic within a certain amount of time. This year, fourth grade students were asked to write a descriptive essay, while eighth and tenth grade students were asked to write a persuasive essay. This year, a 9-point scale was used to better align to a six-traits writing format.

The six-point scale for composition of student essays for the WKCE is scored as:

- 6 Exemplary control of the domain.
- 5 Advanced control of the domain.
- 4 Acceptable control of the domain.
- 3 Proficient control of the domain.
- 2 Minimal control of the domain.
- 1 Off topic.

The three-point scale for conventions of written English.

- | | | |
|---|-----------------|---|
| 3 | Advanced | The response demonstrates advanced control of a wide range of conventions identified in Wisconsin's Model Academic Standards. |
| 2 | Proficient | The response demonstrates proficient control of essential conventions identified in Wisconsin's Model Academic Standards. |
| 1 | Minimal Control | The response demonstrates minimal control of essential conventions identified in Wisconsin's Model Academic Standards. |

WKCE Writing Test

Student Distribution of Scores Across 9 Point Holistic Scale

| 2004-2005 | | | |
|-----------|-------------|------------|------------------|
| GRADE | DOMAIN | AVG. SCORE | RANGE (LOW-HIGH) |
| 4 | descriptive | 4.9 | 0-7 |
| 8 | persuasive | 6.0 | 1-8 |
| 10 | persuasive | 5.8 | 2-8 |

| 2005-2006 | | | |
|-----------|-------------|------------|------------------|
| GRADE | DOMAIN | AVG. SCORE | RANGE (LOW-HIGH) |
| 4 | descriptive | 4.9 | 2-7.5 |
| 8 | persuasive | 6.1 | 3.5-9 |
| 10 | persuasive | 5.8 | 1-9 |

| 2006-2007 | | | |
|-----------|-------------|------------|------------------|
| GRADE | DOMAIN | AVG. SCORE | RANGE (LOW-HIGH) |
| 4 | descriptive | 5.5 | 2-7.5 |
| 8 | persuasive | 5.9 | 3.5-9 |
| 10 | persuasive | 6.1 | 3-9 |

| 2007-2008 | | | |
|-----------|-------------|------------|------------------|
| GRADE | DOMAIN | AVG. SCORE | RANGE (LOW-HIGH) |
| 4 | descriptive | 5.4 | 3-9 |
| 8 | persuasive | 5.7 | 4-8 |
| 10 | persuasive | 5.8 | 2-9 |

| 2008-2009 | | | |
|-----------|-------------|------------|------------------|
| GRADE | DOMAIN | AVG. SCORE | RANGE (LOW-HIGH) |
| 4 | descriptive | 5.2 | 2-8 |
| 8 | persuasive | 5.6 | 2-9 |
| 10 | persuasive | 5.8 | 3.5-9 |

WKCE Math and Reading Assessment

Grades 3, 5, 6, 7

| STUDENT GROUP | PERCENTAGE OF STUDENTS | | | | TOTAL P+A |
|-----------------|------------------------|-------|------------|----------|-----------|
| | MINIMAL | BASIC | PROFICIENT | ADVANCED | |
| Grade 3 Reading | | | | | |
| - WI | 6 | 15 | 34 | 45 | 79 |
| - WFB | 1 | 7 | 20 | 72 | 92 |
| Grade 5 Reading | | | | | |
| - WI | 5 | 14 | 42 | 39 | 81 |
| - WFB | 2 | 6 | 21 | 71 | 92 |
| Grade 6 Reading | | | | | |
| - WI | 6 | 11 | 39 | 44 | 83 |
| - WFB | 2 | 2 | 25 | 71 | 96 |
| Grade 7 Reading | | | | | |
| - WI | 5 | 9 | 39 | 47 | 86 |
| - WFB | 2 | 2 | 20 | 76 | 96 |
| Grade 3 Math | | | | | |
| - WI | 14 | 9 | 41 | 35 | 76 |
| - WFB | 3 | 5 | 24 | 68 | 92 |
| Grade 5 Math | | | | | |
| - WI | 12 | 9 | 34 | 45 | 79 |
| - WFB | 3 | 2 | 23 | 71 | 94 |
| Grade 6 Math | | | | | |
| - WI | 13 | 11 | 41 | 35 | 76 |
| - WFB | 2 | 3 | 30 | 65 | 95 |
| Grade 7 Math | | | | | |
| - WI | 10 | 12 | 45 | 33 | 78 |
| - WFB | 3 | 4 | 20 | 73 | 93 |

2008-2009 WI Knowledge and Concepts Examinations Results by Proficiency Category

Grade 4

| STUDENT GROUP | PERCENTAGE OF STUDENTS | | | | |
|------------------------|------------------------|-------|------------|----------|-----------------------------|
| | MINIMAL | BASIC | PROFICIENT | ADVANCED | PROFICIENT PLUS ADVANCED |
| Grade 4 Reading | | | | | |
| - WI | 4 | 14 | 39 | 42 | 81 |
| - WFB | 3 | 3 | 24 | 70 | 94 |
| Grade 4 Language Arts | | | | | |
| - WI | 6 | 17 | 44 | 33 | 77 |
| - WFB | 1 | 6 | 30 | 62 | 92 |
| Grade 4 Mathematics | | | | | |
| - WI | 10 | 8 | 43 | 38 | 81 |
| - WFB | 3 | 1 | 28 | 68 | 96 |
| Grade 4 Science | | | | | |
| - WI | 5 | 19 | 55 | 21 | 76 |
| - WFB | 2 | 5 | 47 | 46 | 93 |
| Grade 4 Social Studies | | | | | |
| - WI | 2 | 6 | 25 | 66 | 91 |
| - WFB | 2 | 1 | 11 | 84 | 95 |

2008-2009 WI Knowledge and Concepts Examinations Results by Proficiency Category

Grade 8

| STUDENT GROUP | PERCENTAGE OF STUDENTS | | | | |
|------------------------|------------------------|-------|------------|----------|-----------------------------|
| | MINIMAL | BASIC | PROFICIENT | ADVANCED | PROFICIENT PLUS ADVANCED |
| Grade 8 Reading | | | | | |
| - WI | 5 | 9 | 42 | 43 | 85 |
| - WFB | 1 | 5 | 22 | 72 | 94 |
| Grade 8 Language Arts | | | | | |
| - WI | 14 | 22 | 35 | 28 | 63 |
| - WFB | 9 | 8 | 25 | 59 | 84 |
| Grade 8 Mathematics | | | | | |
| - WI | 8 | 13 | 49 | 29 | 78 |
| - WFB | 2 | 4 | 27 | 67 | 94 |
| Grade 8 Science | | | | | |
| - WI | 9 | 15 | 47 | 29 | 76 |
| - WFB | 4 | 8 | 48 | 41 | 89 |
| Grade 8 Social Studies | | | | | |
| - WI | 6 | 13 | 38 | 43 | 81 |
| - WFB | 0 | 7 | 22 | 70 | 92 |

2008-2009 WI Knowledge and Concepts Examinations Results by Proficiency Category

Grade 10

| STUDENT GROUP | PERCENTAGE OF STUDENTS | | | | |
|-------------------------|------------------------|-------|------------|----------|-----------------------------|
| | MINIMAL | BASIC | PROFICIENT | ADVANCED | PROFICIENT PLUS ADVANCED |
| Grade 10 Reading | | | | | |
| - WI | 9 | 15 | 32 | 43 | 75 |
| - WFB | 1 | 3 | 18 | 76 | 94 |
| Grade 10 Language Arts | | | | | |
| - WI | 8 | 19 | 55 | 16 | 71 |
| - WFB | 2 | 7 | 46 | 44 | 90 |
| Grade 10 Mathematics | | | | | |
| - WI | 14 | 15 | 48 | 21 | 69 |
| - WFB | 4 | 7 | 42 | 47 | 89 |
| Grade 10 Science | | | | | |
| - WI | 16 | 11 | 34 | 38 | 72 |
| - WFB | 9 | 1 | 23 | 65 | 88 |
| Grade 10 Social Studies | | | | | |
| - WI | 15 | 7 | 31 | 45 | 76 |
| - WFB | 5 | 3 | 12 | 79 | 91 |

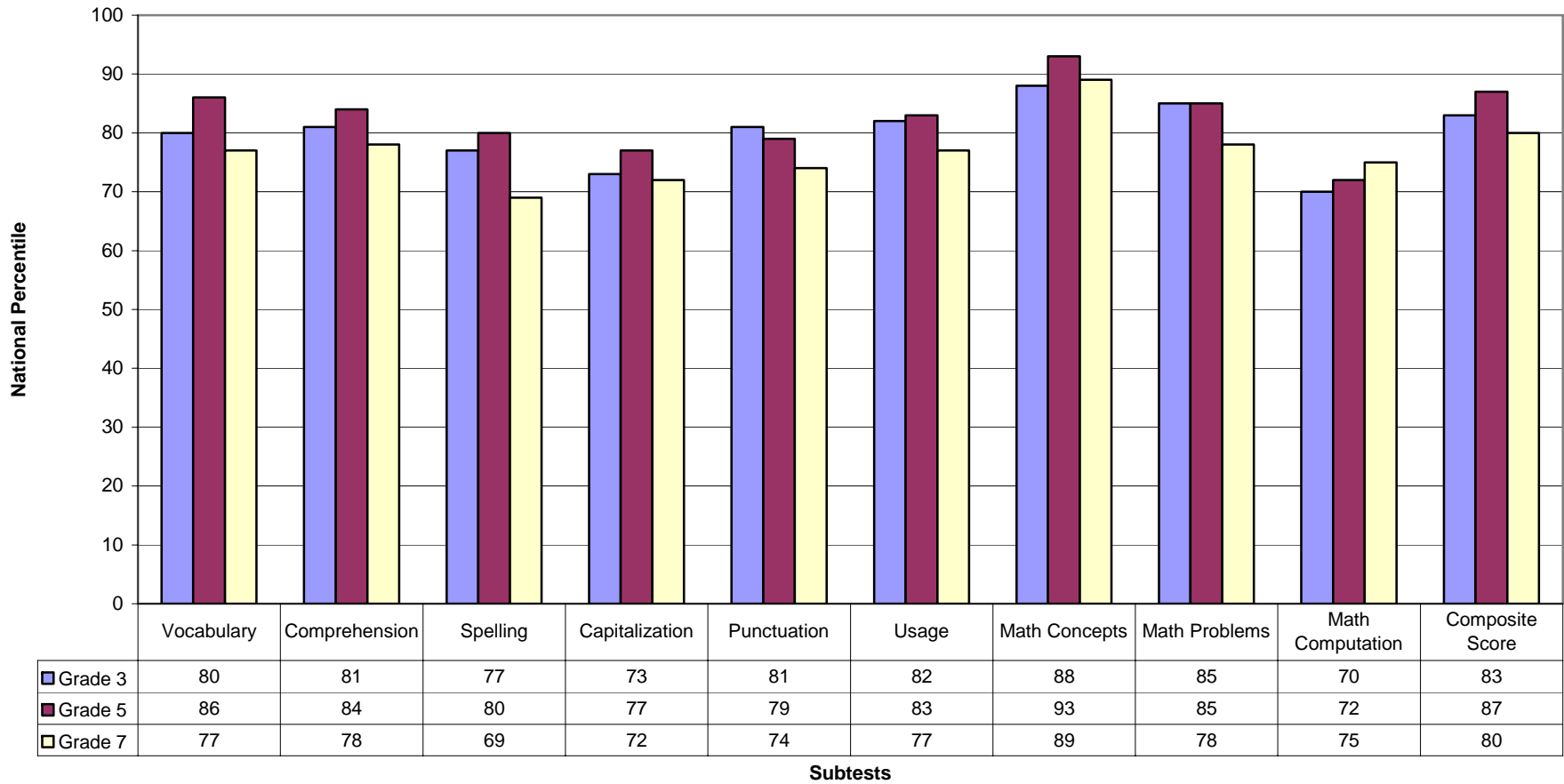
Part THREE

Results of the Iowa Test of Basic Skills Given at Grades 3, 5 and 7

A District Assessment

2008-2009 Iowa Tests of Basic Skills National Percentile Ranks By Grade Level: Student Norms

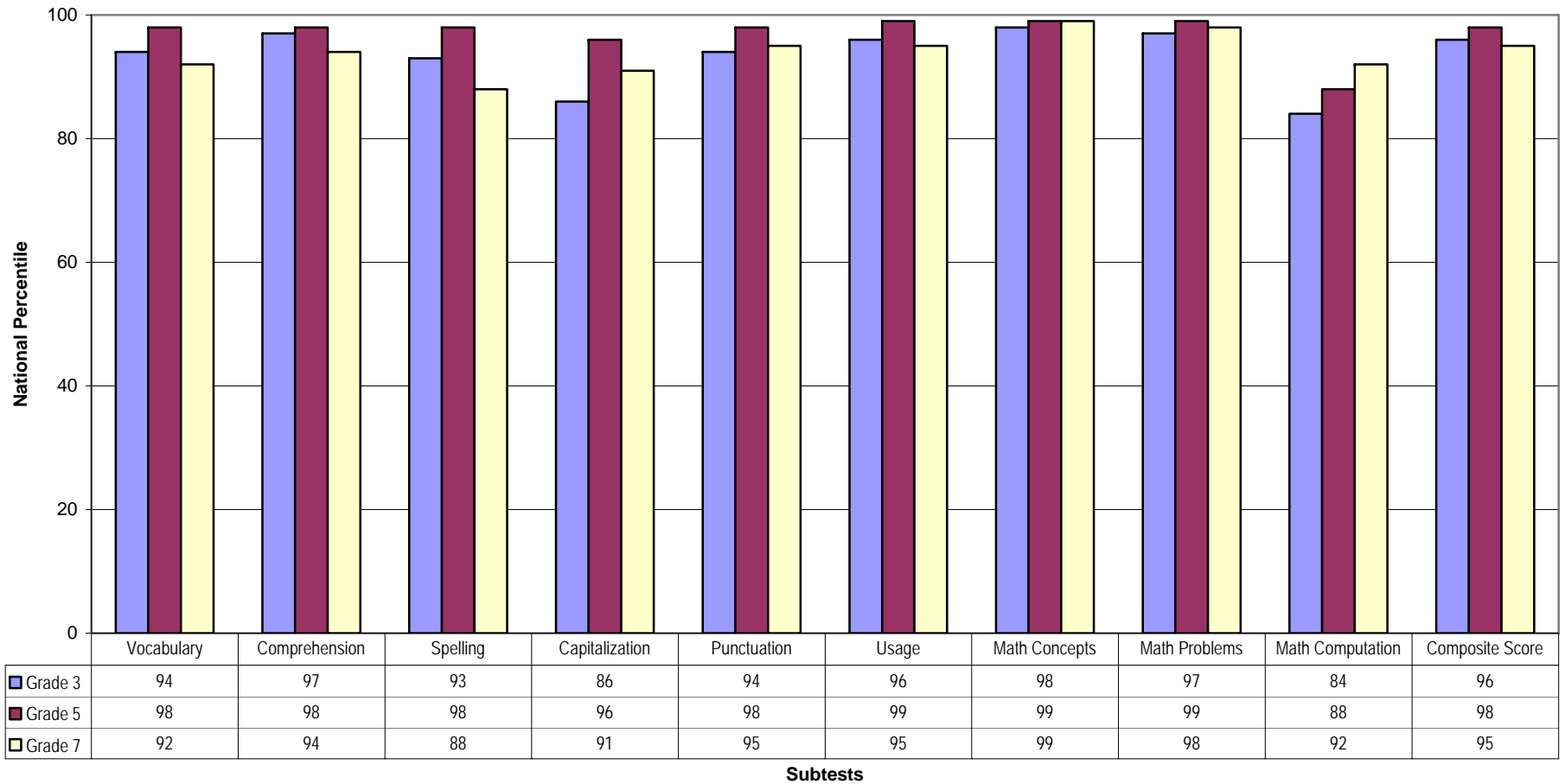
WFB Schools 2008 ITBS Scores



2008 - 2009 Iowa Tests of Basic Skills National Percentile Ranks: School Norms

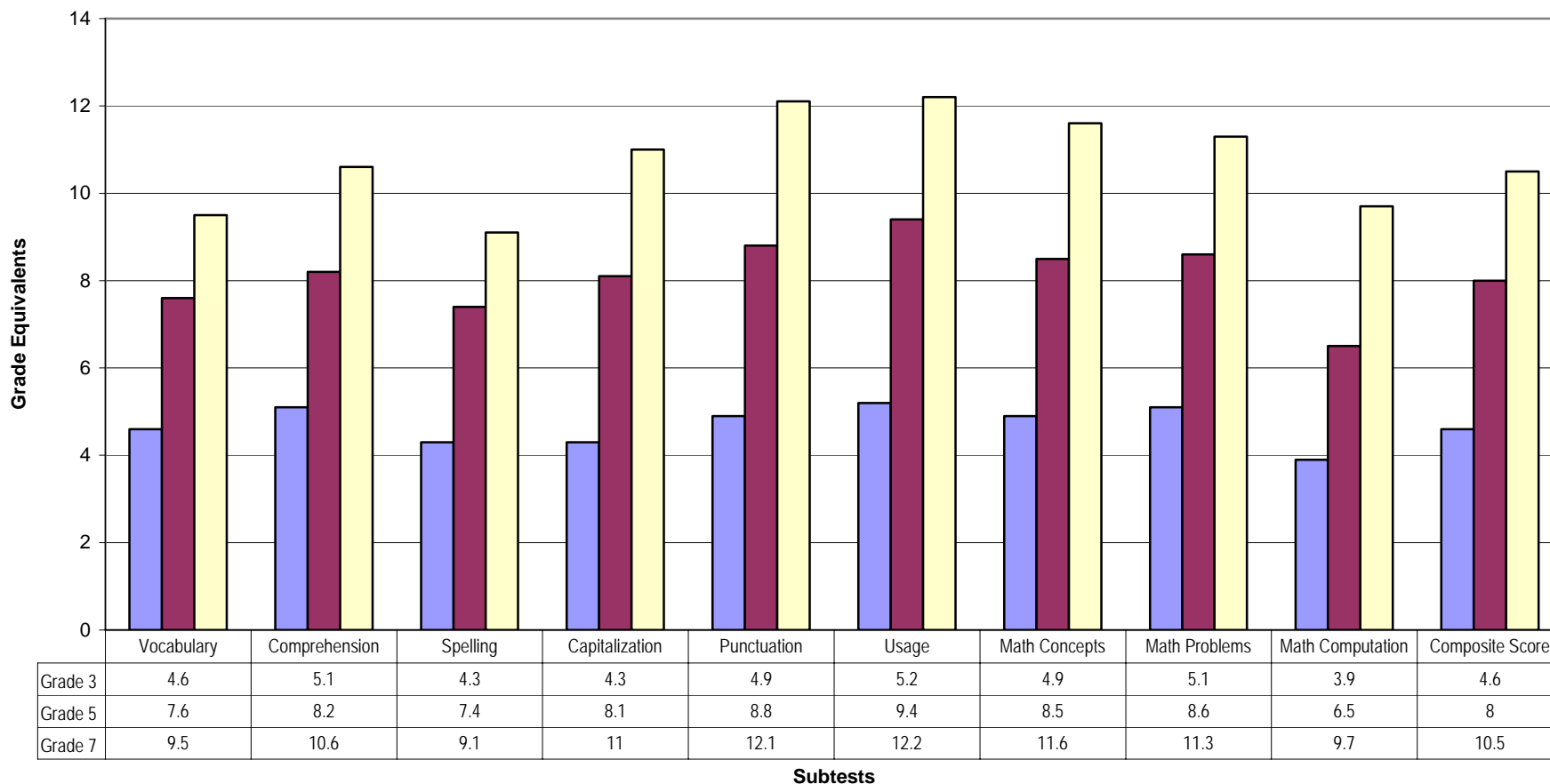
(Note: School norms compare schools, rather than individual students)

WFB Schools 2008 ITBS School Norms



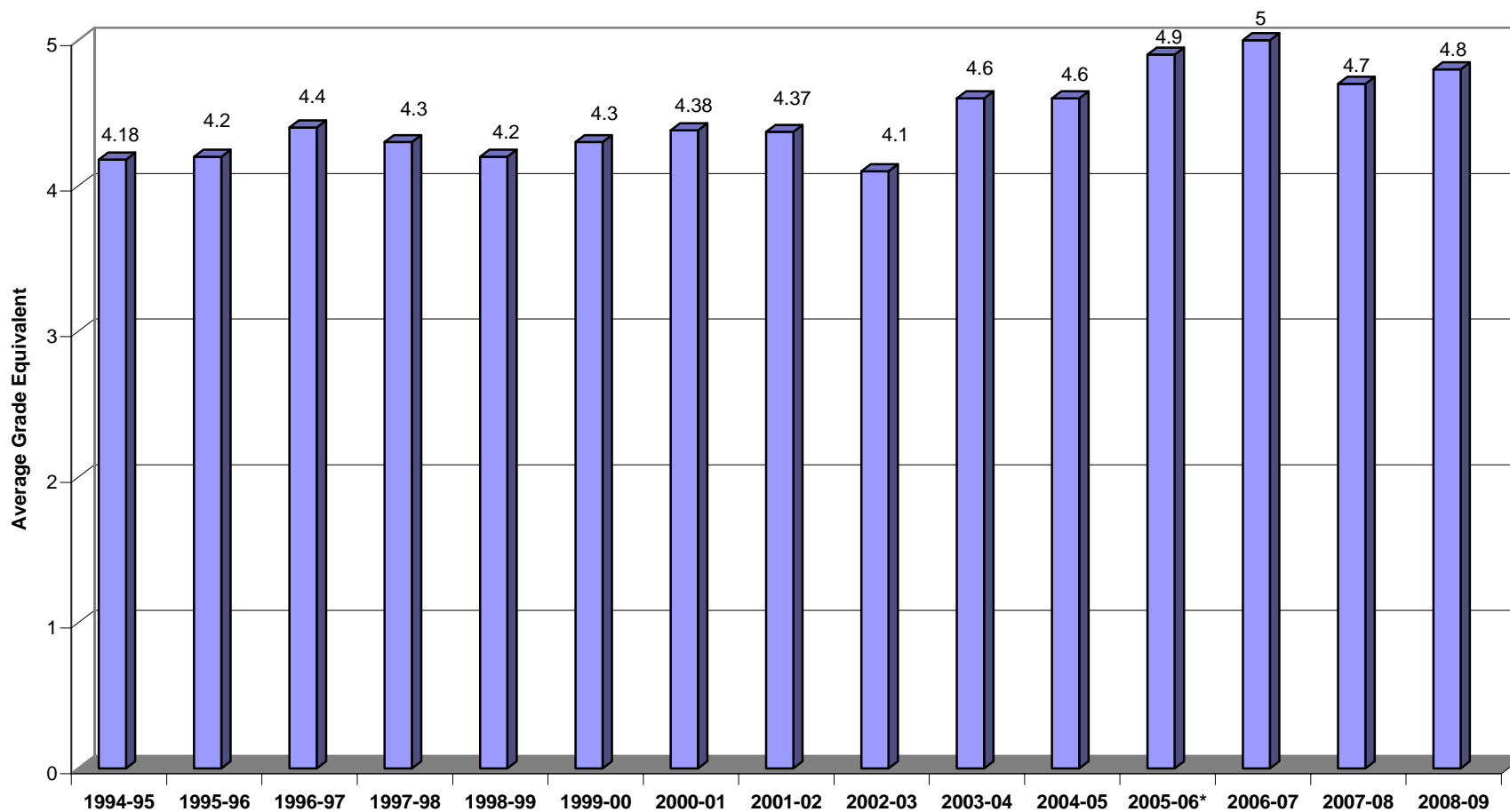
2008 - 2009 Iowa Tests of Basic Skills Average Grade Equivalent Scores

WFB Schools 2008 Scores



Longitudinal Iowa Tests of Basic Skills Grade 3 Reading

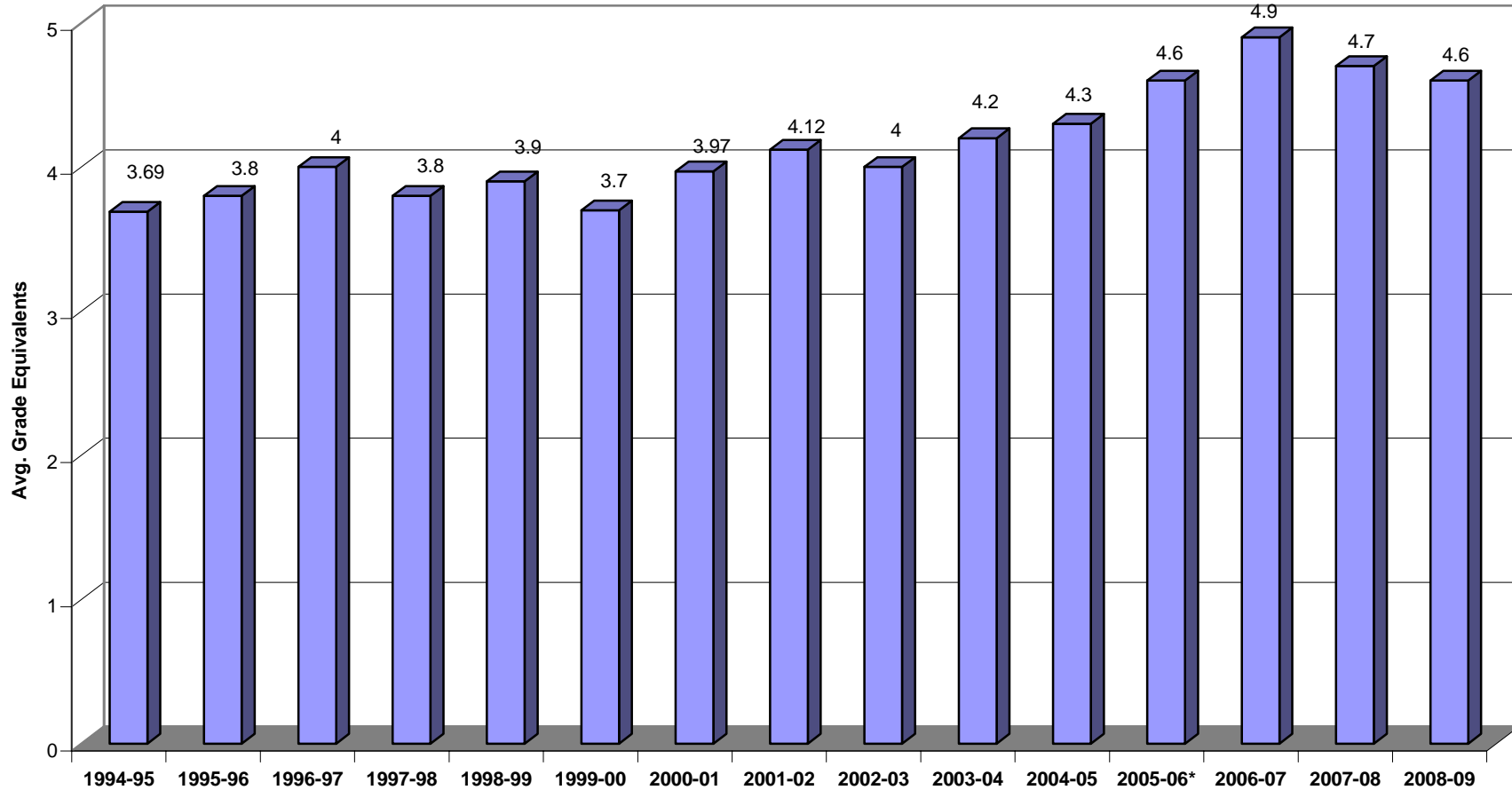
Reading- ITBS Longitudinal Average Grade Equivalents



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 3

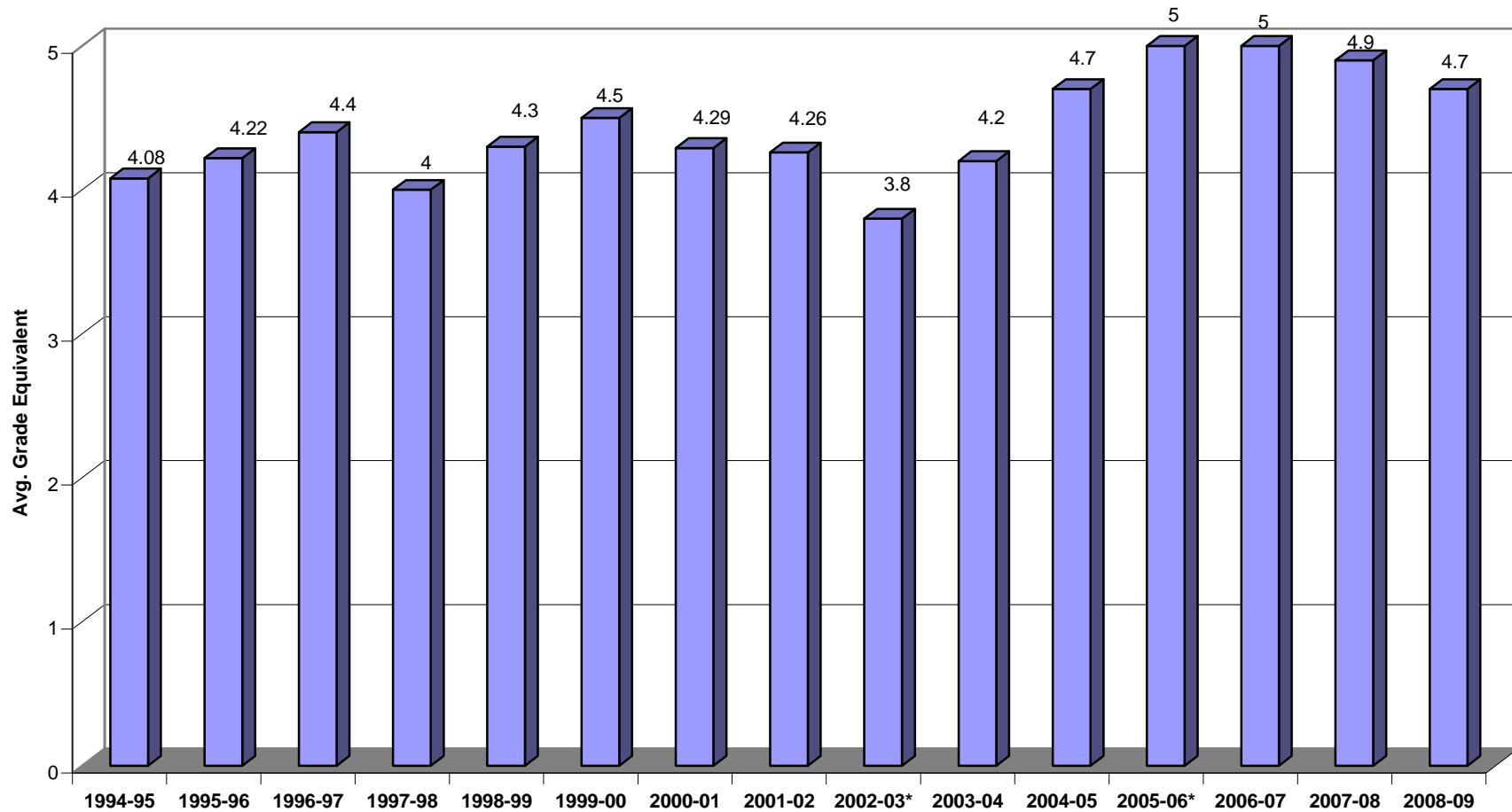
Math - ITBS Longitudinal Average Grade Equivalent



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 3

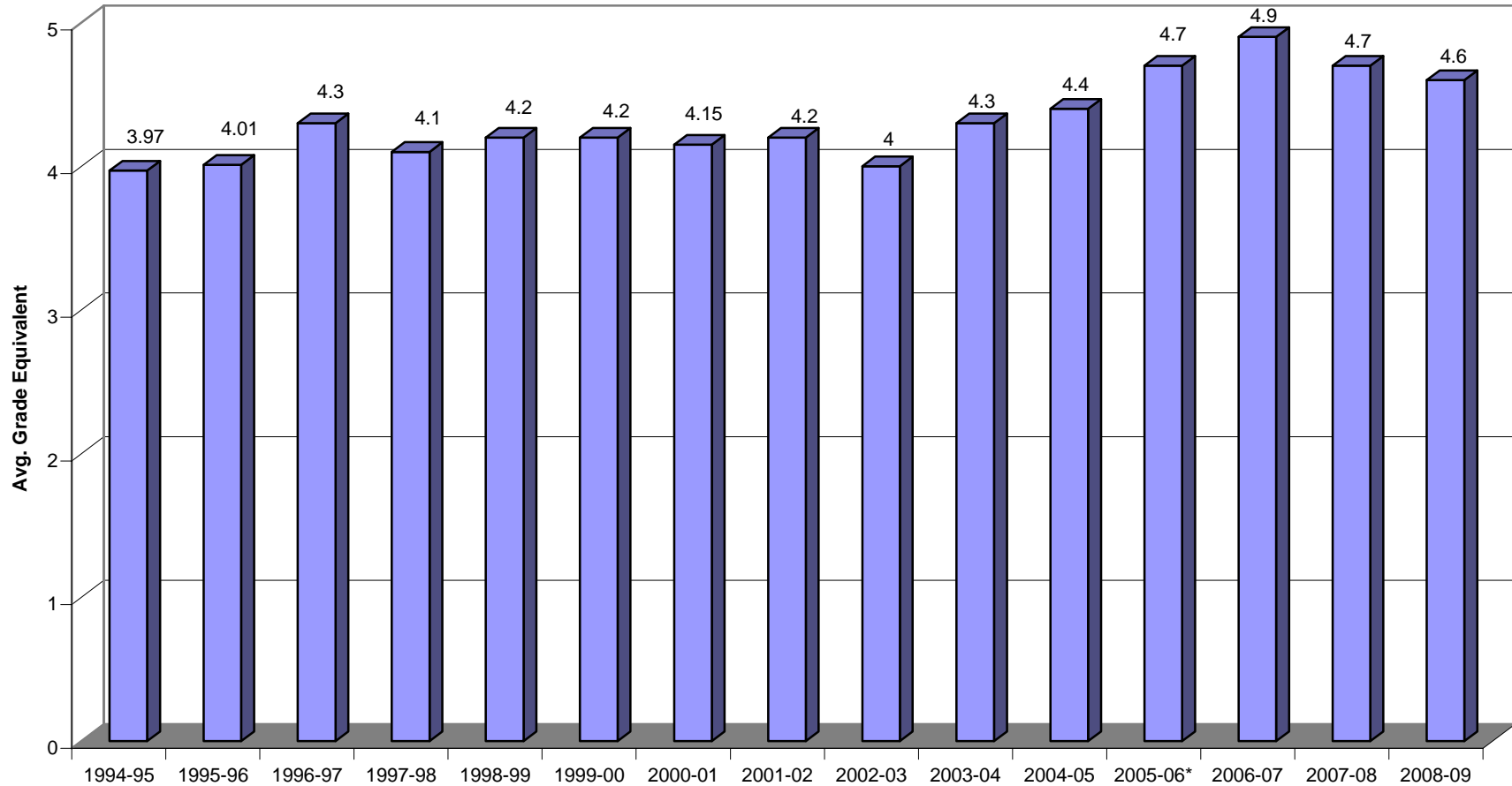
Language - ITBS Longitudinal Average Grade Equivalent



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 3

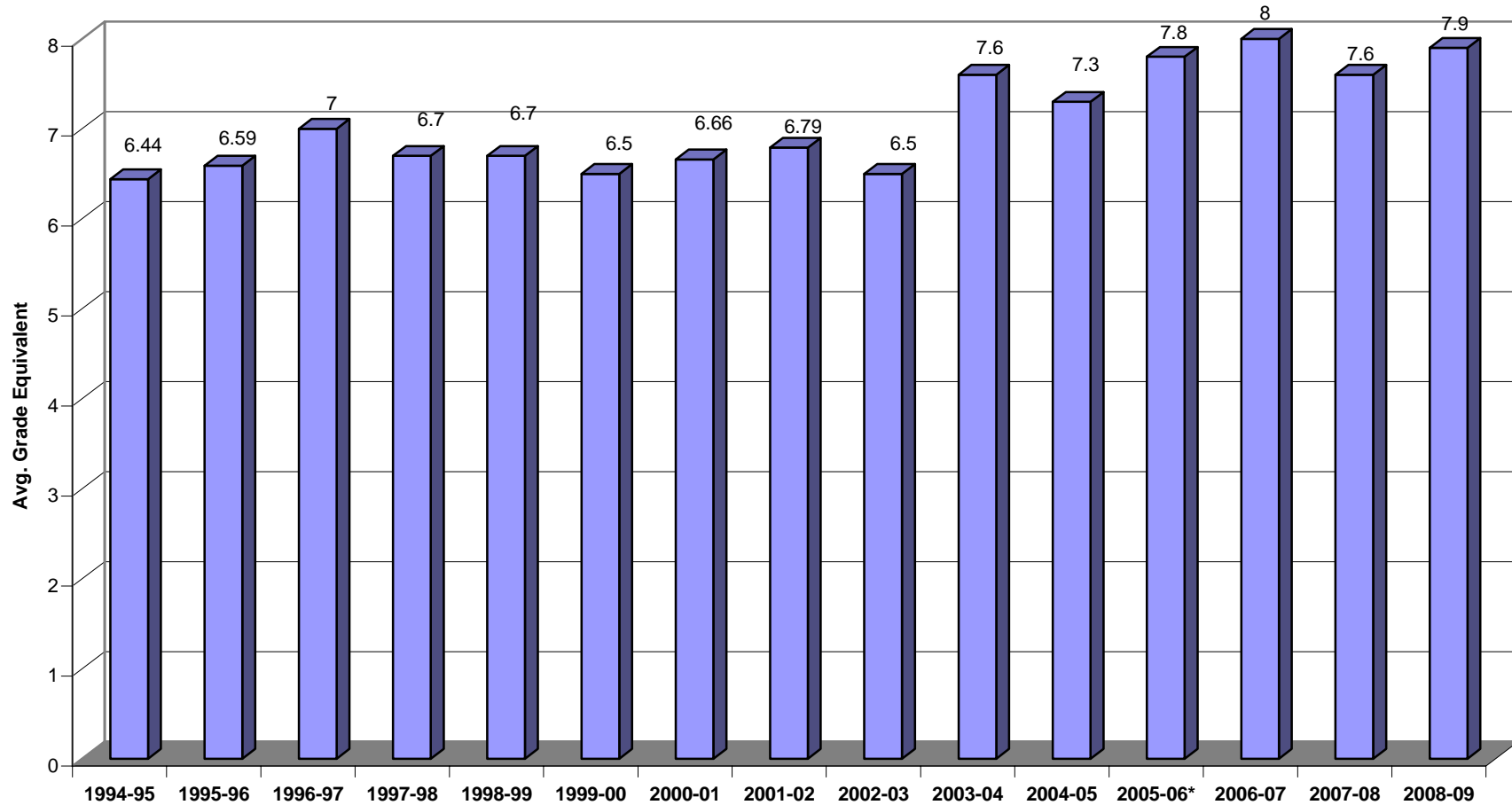
Composite - ITBS Average Grade Equivalent



**Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.*

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 5

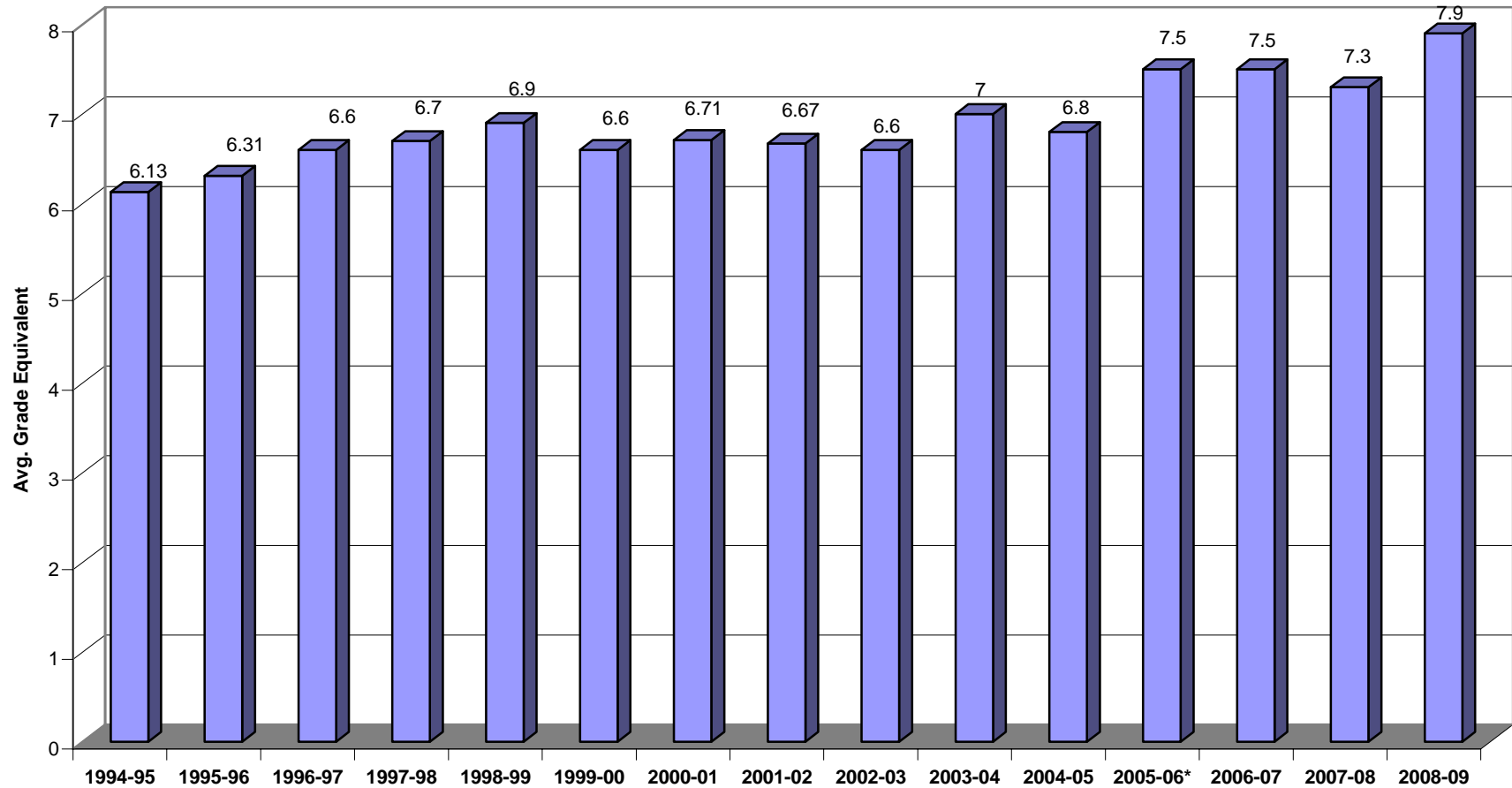
Reading - ITBS Average Grade Equivalents



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 5

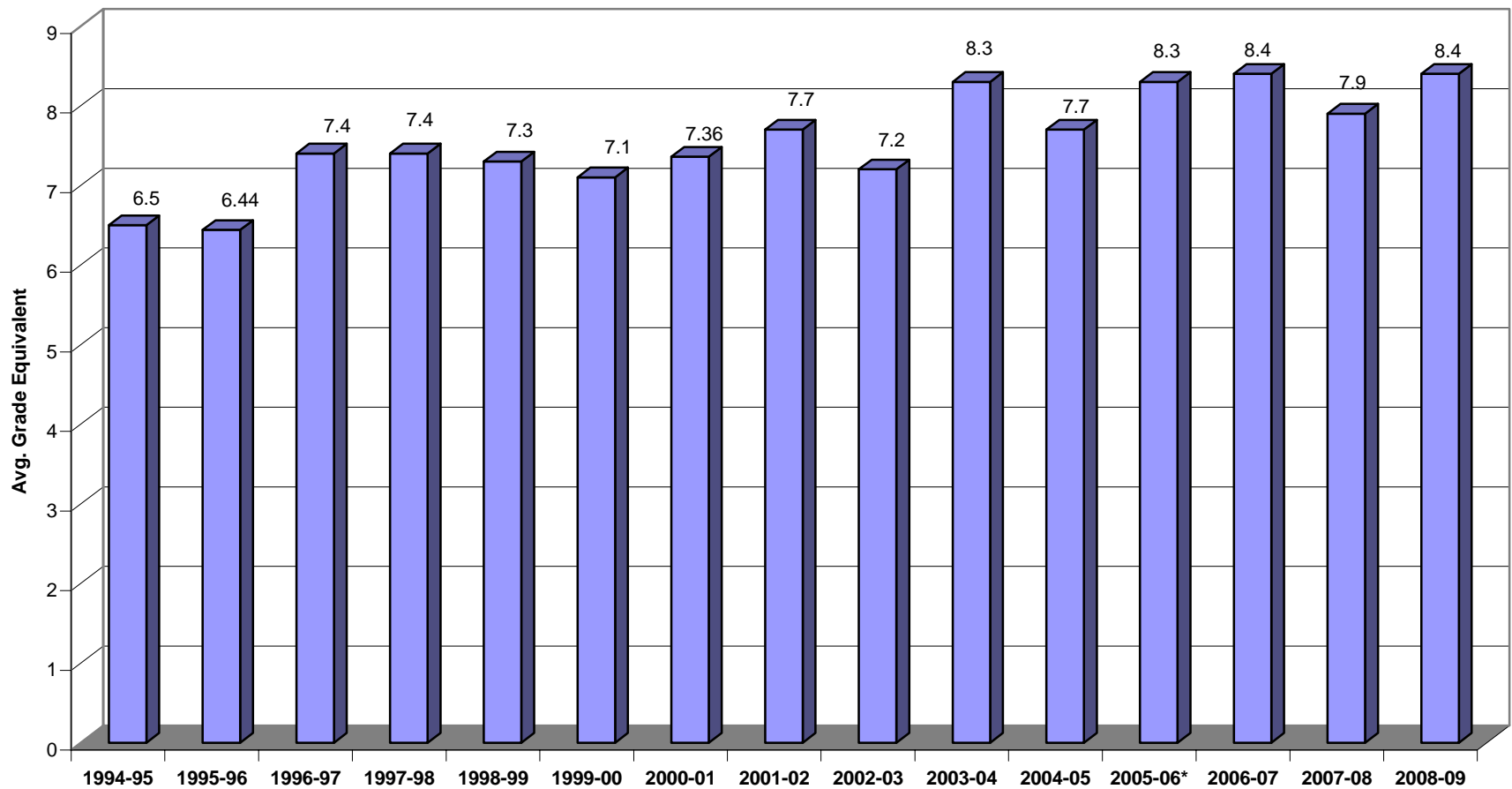
Math - ITBS Average Grade Equivalent



**Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.*

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 5

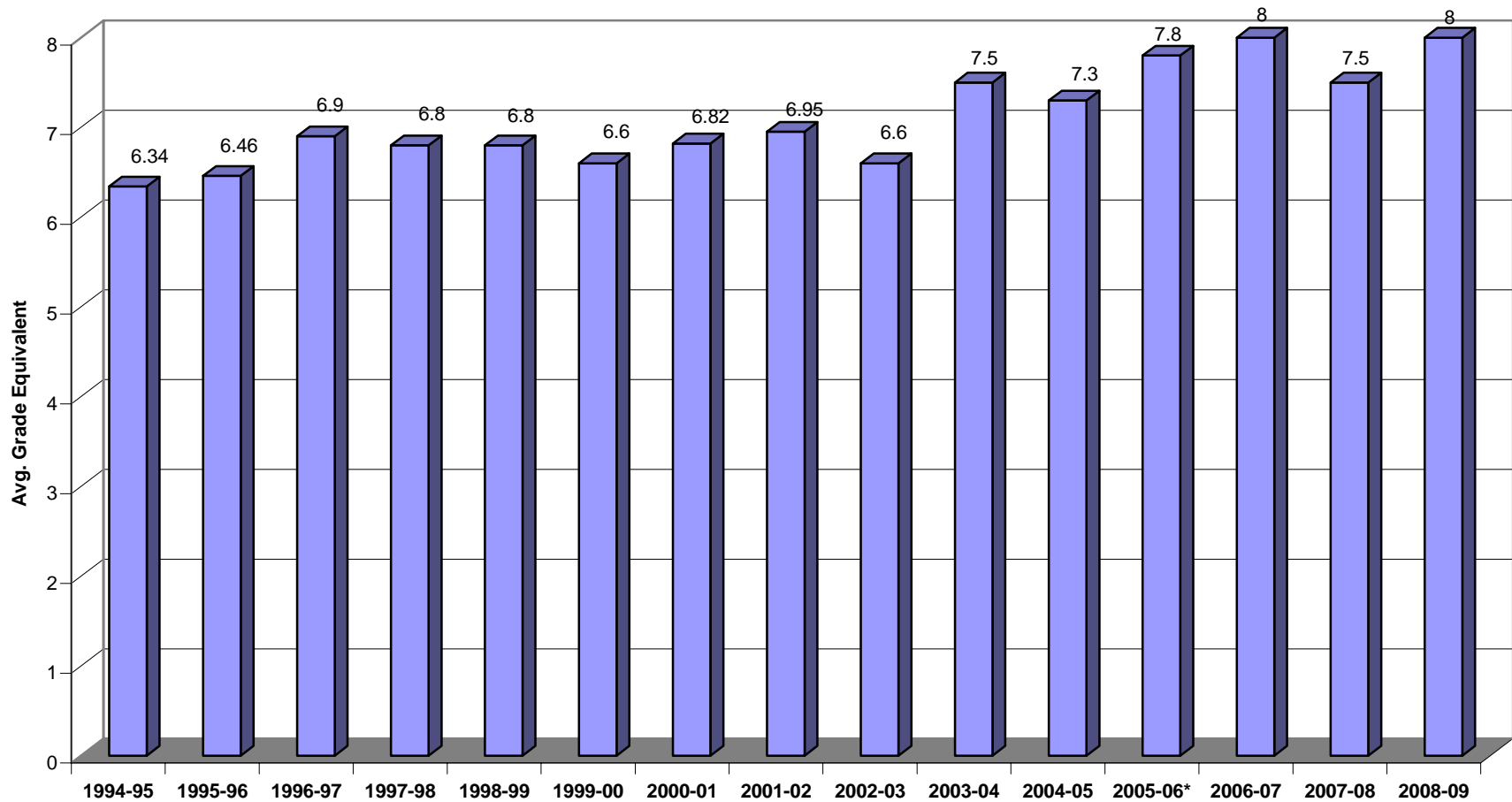
Language - ITBS Average Grade Equivalent



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 5

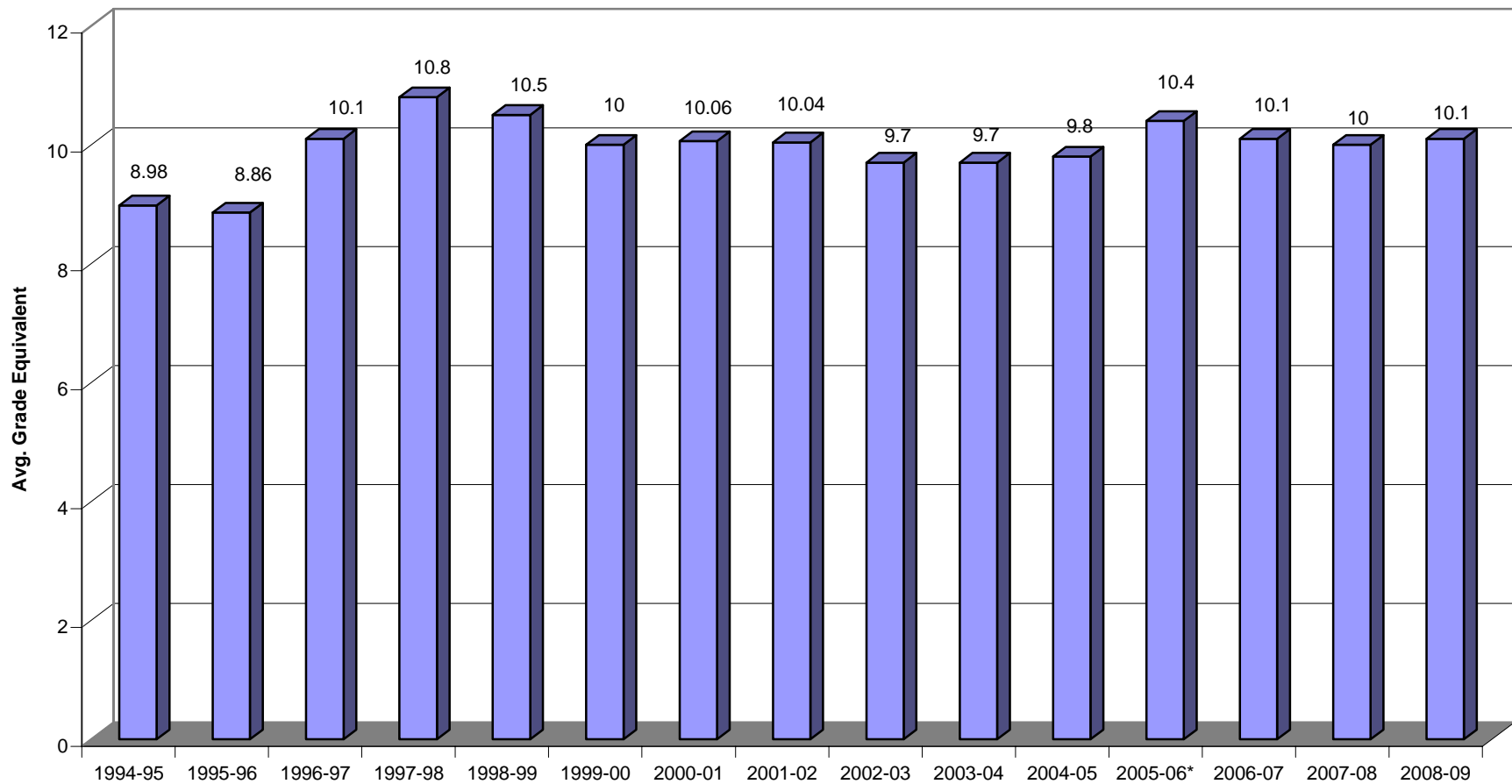
Composite- ITBS Average Grade Equivalent



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 7

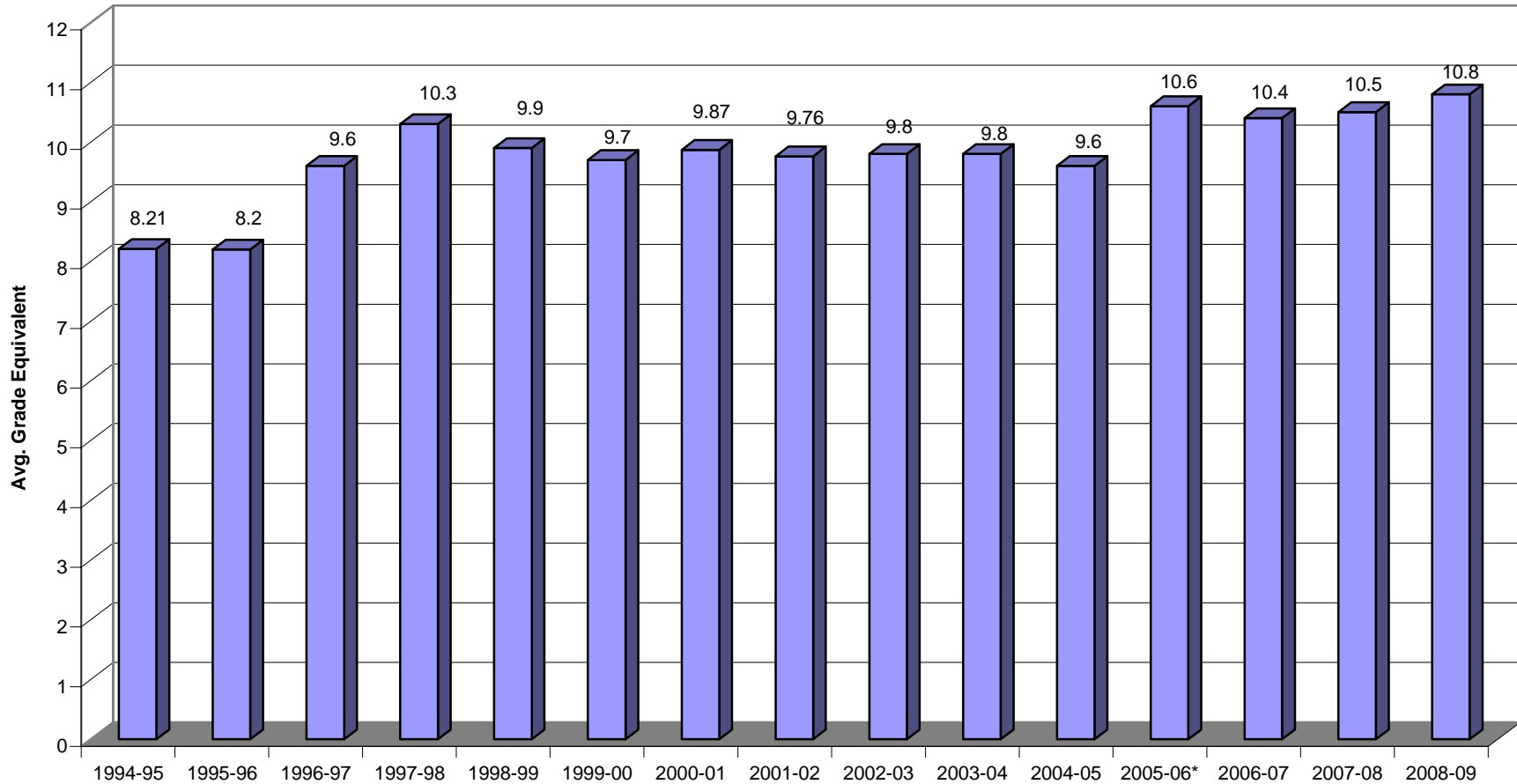
Reading - ITBS Average Grade Equivalent



***Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.*

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 7

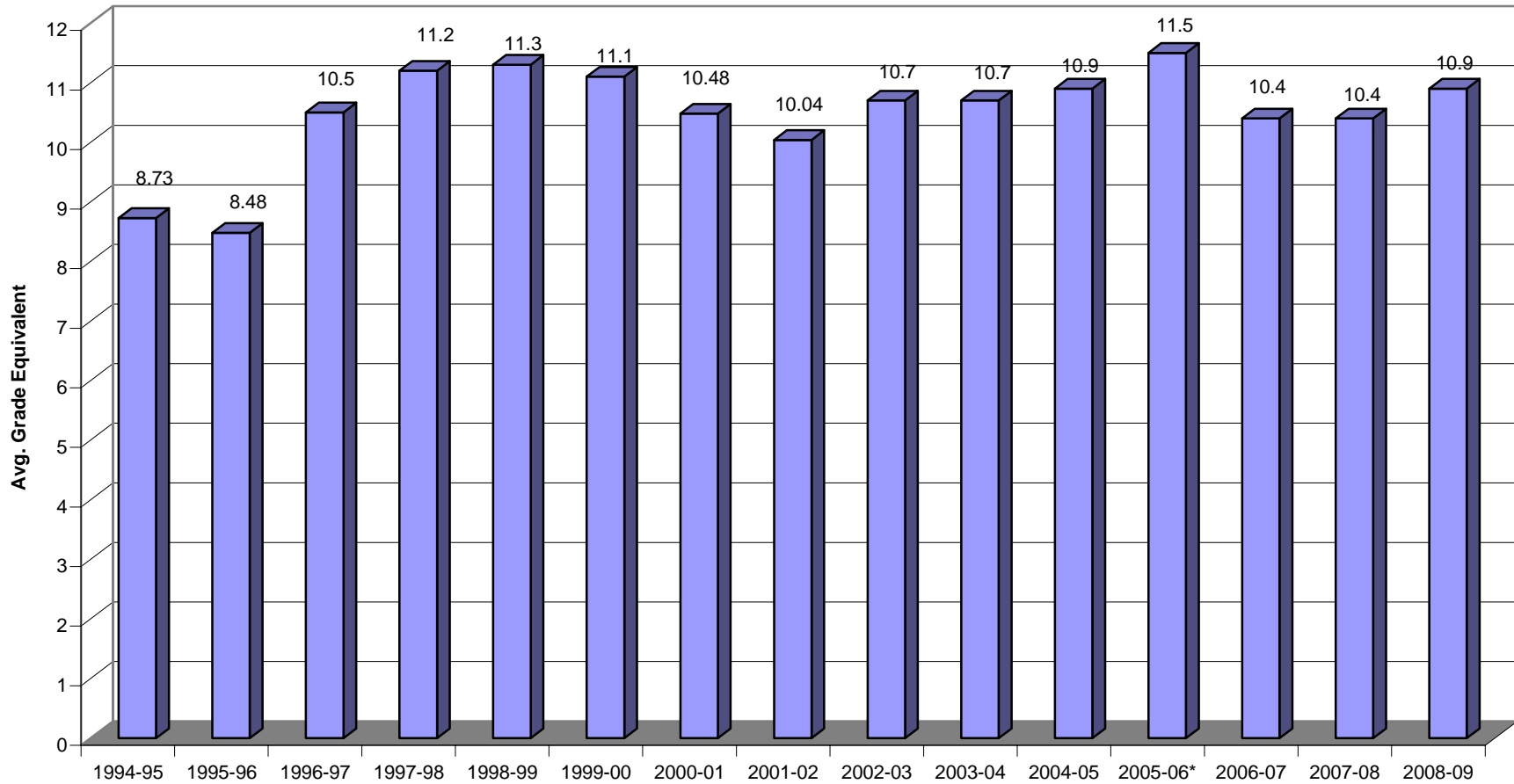
Math - ITBS Average Grade Equivalent



**Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.*

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 7

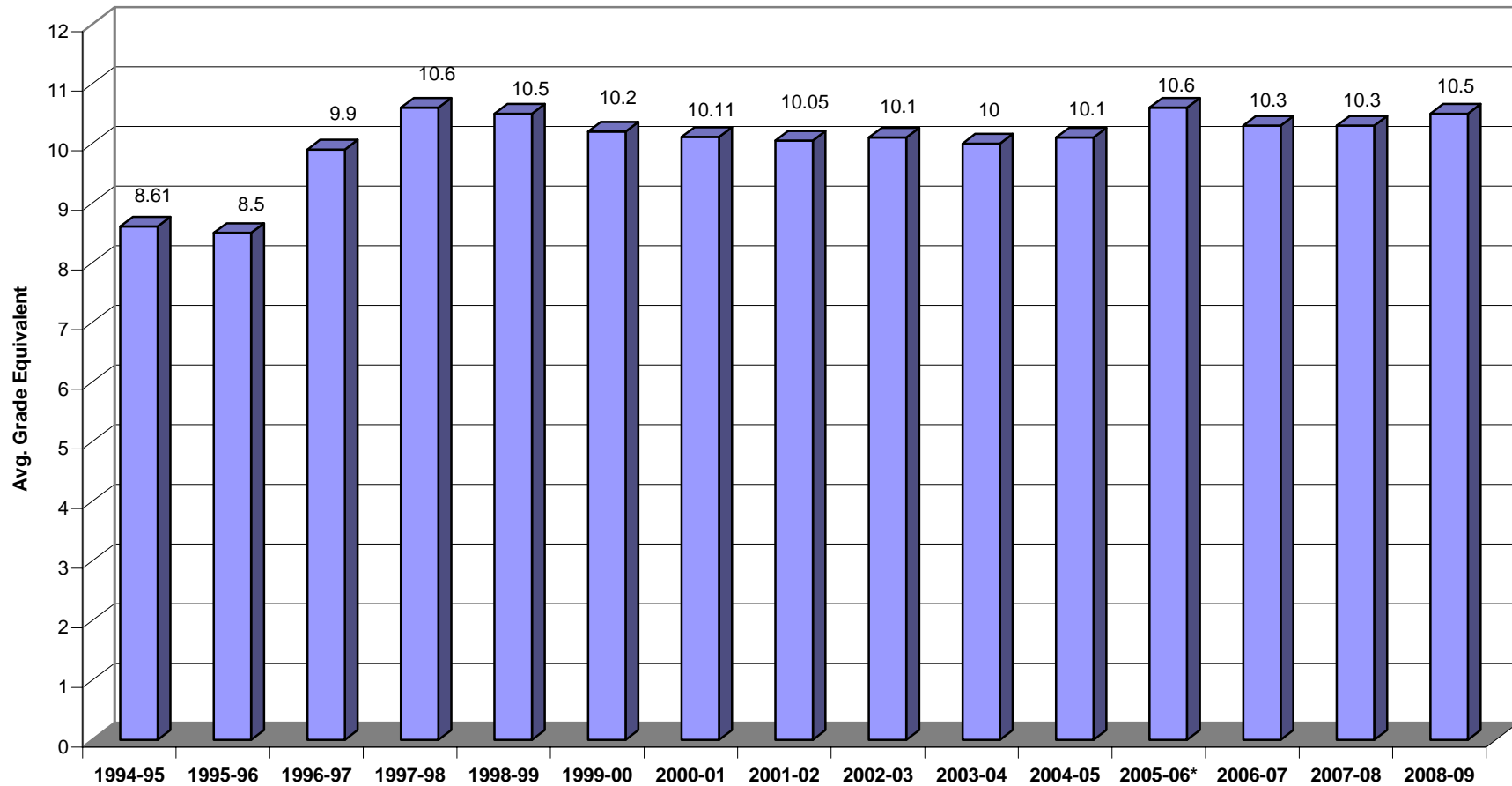
Language - ITBS Average Grade Equivalent



*Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.

Longitudinal Iowa Tests of Basic Skills Average Grade Equivalent – Grade 7

Composite - ITBS Average Grade Equivalent



**Starting in 2005-2006 ITBS assessment administered 1 academic quarter later in year than previous practice due to expanded WKCE testing.*

Part FOUR

Results of the SAT, ACT, and Other Optional Assessments

Results of the SAT, ACT, NMSQT Optional Assessments

| SAT | Critical Reading Mean Score | | | | | | | | Mathematics Mean Score | | | | | | | |
|--------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Whitefish Bay | 2000-01 588 | 2001-02 581 | 2002-03 592 | 2003-04 591 | 2004-05 605 | 2005-06 601 | 2006-07 622 | 2007-2008 649 | 2000-01 598 | 2001-02 606 | 2002-03 606 | 2003-04 613 | 2004-05 609 | 2005-06 629 | 2006-07 622 | 2007-08 663 |
| National | 506 | 504 | 507 | 506 | 508 | 503 | 502 | 502 | 514 | 516 | 519 | 518 | 520 | 518 | 515 | 515 |
| % Student Participation | 73% | 66% | 70% | 66% | 49% | 49% | 40% | 25% | 73% | 66% | 70% | 66% | 49% | 49% | 40% | 25% |
| Whitefish Bay's Strength | 82 points | 77 points | 85 points | 85 points | 97 points | 98 points | 120 points | 147 points | 83 points | 90 points | 87 points | 95 points | 89 points | 111 points | 107 points | 148 points |

| ACT | Mean Composite Score | | | | | | | | | | |
|--------------------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|------|
| Whitefish Bay | 1998-99 25.3 | 1999-00 25.8 | 2000-01 25.5 | 2001-02 25.2 | 2002-03 25.9 | 2003-04 25.7 | 2004-05 25.4 | 2005-06 25.1 | 2006-07 25.7 | 2007-2008 25.4 | |
| National | 21.0 | 21.0 | 21.0 | 21 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| % Student | 88% | 89% | 85% | 83% | 81% | 90% | 90% | 88% | 88% | 85% | |
| Whitefish Bay's Strength | 4.3 pts | 4.8 pts | 4.5 pts | 4.2 pts | 4.9 pts | 4.7 pts | 4.4 pts | 4.1 pts | 4.7 pts | 4.4 pts | |

| National Merit Scholarship Qualifying Test (NMSQT) | Commendations | Semi-finalists | Finalists |
|--|---------------|----------------|-----------|
| Class of 1999 | 8 | 9 | 9 |
| Class of 2000 | 5 | 8 | 5 |
| Class of 2001 | 15 | 9 | 8 |
| Class of 2002 | 8 | 12 | 11 |
| Class of 2003 | 2 | 9 | 7 |
| Class of 2004 | 9 | 11 | 9 |
| Class of 2005 | 15 | 13 | 13 |
| Class of 2006 | 11 | 11 | 10 |
| Class of 2007 | 4 | 13 | 12 |
| Class of 2008 | 6 | 15 | 13 |
| Class of 2009 | 10 | 7 | 7 |

End of report