FTCE Competency Report ~ All 2009-2010 Completers, TSST 293)) Majors only

Best Attempt Data

**Test=Elementary Education K-6 (60) (Subarea 1) Language Arts**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 68.75% | 16 | 01 Knowledge of reading process | 1 |
| 85.71% | 7 | 02 Knowledge of literature and literary analysis | 1 |
| 72.73% | 11 | 03 Knowledge of the writing process and its applications | 1 |
| 85.71% | 7 | 04 Knowledge of reading methods and assessment | 1 |
| 100.0% | 2 | 05 Knowledge of communication | 1 |
| 100.0% | 2 | 06 Knowledge of information and media literacy | 1 |

**Test=Elementary Education K-6 (60) (Subarea 2) Social Science**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 90.91% | 11 | 07 Knowledge of time, continuity, and change (i.e., history) | 1 |
| 90.91% | 11 | 08 Knowledge of people, places, and environment (i.e., geography) | 1 |
| 85.71% | 14 | 09 Knowledge of government and the citizen (i.e., government and civics) | 1 |
| 100.0% | 7 | 10 Knowledge of production, distribution, and consumption (i.e., economics) | 1 |
| 100.0% | 2 | 11 Knowledge of instruction and assessment of the social sciences | 1 |

**Test=Elementary Education K-6 (60) (Subarea 3) Music/Visual Arts/Physical Ed/Health**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 85.71% | 7 | 12 Knowledge of skills and techniques in music and visual arts | 1 |
| 85.71% | 7 | 13 Knowledge of creation and communication in music and visual arts | 1 |
| 75.00% | 4 | 14 Knowledge of cultural and historical connections in music and visual arts | 1 |
| 50.00% | 2 | 15 Knowledge of aesthetic and critical analysis of music and visual arts | 1 |
| 100.0% | 2 | 16 Knowledge of appropriate assessment strategies in music and visual arts | 1 |
| 100.0% | 5 | 17 Knowledge of personal health and wellness | 1 |
| 100.0% | 11 | 18 Knowledge of physical, social, and emotional growth and development | 1 |
| 100.0% | 5 | 19 Knowledge of community health and safety issues | 1 |
| 100.0% | 2 | 20 Knowledge of subject content and appropriate curriculum design | 1 |

**Test=Elementary Education K-6 (60) (Subarea 4) Science and Technology**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 100.0% | 4 | 21 Knowledge of the nature of matter | 1 |
| 90.00% | 10 | 22 Knowledge of forces, motion, and energy | 1 |
| 100.0% | 10 | 23 Knowledge of Earth and space | 1 |
| 88.89% | 9 | 24 Knowledge of life science | 1 |
| 85.71% | 7 | 25 Knowledge of the nature of science | 1 |
| 100.0% | 2 | 26 Knowledge of the relationship of science and technology | 1 |
| 100.0% | 3 | 27 Knowledge of instruction and assessment | 1 |

**Test=Elementary Education K-6 (60) (Subarea 5) Mathematics**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 100.0% | 18 | 28 Knowledge of numbers and operations | 1 |
| 85.71% | 14 | 29 Knowledge of geometry and measurement | 1 |
| 100.0% | 6 | 30 Knowledge of algebra | 1 |
| 100.0% | 5 | 31 Knowledge of data analysis | 1 |
| 100.0% | 2 | 32 Knowledge of instruction and assessment | 1 |

**Test=GK Subtest 2: English Language Skills (ELS) (822)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 93.18% | 4 | 01 Conceptual and organizational skills | 11 |
| 90.91% | 6 | 02 Word choice skills | 11 |
| 77.27% | 6 | 03 Sentence structure skills | 11 |
| 82.95% | 24 | 04 Grammar, spelling, capitalization, and punctuation skills | 11 |

**Test=GK Subtest 3: Reading (823)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 81.68% | 12 | 01 Knowledge of literal comprehension | 12 |
| 78.22% | 29 | 02 Knowledge of inferential comprehension | 12 |

**Test=GK Subtest 4: Mathematics (824)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 79.55% | 8 | 01 Knowledge of number sense, concepts, and operations | 11 |
| 82.73% | 10 | 02 Knowledge of measurement (using customary or metric units) | 11 |
| 73.74% | 9 | 03 Knowledge of geometry and spatial sense | 11 |
| 85.86% | 9 | 04 Knowledge of algebraic thinking | 11 |
| 72.73% | 9 | 05 Knowledge of data analysis and probability | 11 |

**Test=Mathematics 6-12 (26)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 77.78% | 14 | 01 Knowledge of algebra | 2 |
| 75.00% | 6 | 02 Knowledge of functions | 2 |
| 45.00% | 10 | 03 Knowledge of geometry from a synthetic perspective | 2 |
| 70.00% | 5 | 04 Knowledge of geometry from an algebraic perspective | 2 |
| 80.00% | 5 | 05 Knowledge of trigonometry | 2 |
| 80.00% | 5 | 06 Knowledge of statistics | 2 |
| 50.00% | 5 | 07 Knowledge of probability | 2 |
| 75.00% | 4 | 08 Knowledge of discrete mathematics | 2 |
| 70.00% | 5 | 09 Knowledge of calculus | 2 |
| 87.50% | 4 | 10 Knowledge of number sense and mathematical structure | 2 |
| 50.00% | 2 | 11 Knowledge of mathematics as communication | 2 |
| 50.00% | 3 | 12 Knowledge of mathematics as reasoning | 2 |
| 25.00% | 2 | 13 Knowledge of mathematical connections | 2 |
| 70.00% | 5 | 14 Knowledge of instruction | 2 |
| 80.00% | 5 | 15 Knowledge of assessment | 2 |

**Test=Middle Grades English 5-9 (14)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 33.33% | 6 | 01 Knowledge of the characteristics of middle grades students as related to the teaching and learning of integrated language arts | 1 |
| 45.45% | 11 | 02 Knowledge of research and current issues in teaching integrated language arts | 1 |
| 61.54% | 26 | 03 Knowledge of literacy in the integrated language arts | 1 |
| 80.56% | 36 | 04 Knowledge of content and strategies for teaching integrated language arts | 1 |
| 83.33% | 6 | 05 Knowledge of assessment of integrated language arts | 1 |

**Test=Middle Grades General Science 5-9 (4)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 70.59% | 17 | 01 Knowledge of the structure and behavior of matter | 1 |
| 60.00% | 15 | 02 Knowledge of forces and motion and their relationship | 1 |
| 50.00% | 14 | 03 Knowledge of energy and its effects | 1 |
| 81.25% | 16 | 04 Knowledge of Earth and the processes that affect it | 1 |
| 57.14% | 7 | 05 Knowledge of space science | 1 |
| 70.59% | 17 | 06 Knowledge of processes of life | 1 |
| 58.33% | 12 | 07 Knowledge of the effects of physical and biological factors on the environment | 1 |
| 100.0% | 6 | 08 Knowledge of classroom and laboratory management | 1 |
| 56.25% | 16 | 09 Knowledge of process skills and application of scientific inquiry | 1 |

**Test=Middle Grades Integrated Curriculum English (62)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 82.93% | 10 | 01 Knowledge of written and oral language | 4 |
| 88.37% | 11 | 02 Knowledge of reading | 4 |
| 46.15% | 7 | 03 Knowledge of literature | 4 |
| 60.00% | 3 | 04 Knowledge of teaching middle grades English | 4 |

**Test=Middle Grades Integrated Curriculum General Science (62)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 45.45% | 6 | 05 Knowledge of the nature of science | 4 |
| 33.33% | 8 | 06 Knowledge of living things and their environment | 4 |
| 51.72% | 7 | 07 Knowledge of the forces of Earth and space | 4 |
| 51.85% | 7 | 08 Knowledge of matter and energy | 4 |
| 66.67% | 3 | 09 Knowledge of teaching middle grades general science | 4 |

**Test=Middle Grades Integrated Curriculum Mathematics (62)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 76.00% | 6 | 10 Knowledge of number sense, concepts, and operations | 4 |
| 84.21% | 5 | 11 Knowledge of data analysis and probability | 4 |
| 72.41% | 7 | 12 Knowledge of algebra | 4 |
| 60.00% | 5 | 13 Knowledge of geometry | 4 |
| 47.62% | 5 | 14 Knowledge of measurement | 4 |
| 83.33% | 2 | 15 Knowledge of teaching middle grades mathematics | 4 |

**Test=Middle Grades Integrated Curriculum Social Science (62)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 72.50% | 10 | 16 Knowledge of history | 4 |
| 61.76% | 9 | 17 Knowledge of geography | 4 |
| 80.00% | 10 | 18 Knowledge of government, economics, and other social sciences | 4 |
| 83.33% | 2 | 19 Knowledge of teaching middle grades social science | 4 |

**Test=Middle Grades Mathematics 5-9 (25)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 66.67% | 3 | 01 Knowledge of mathematics through problem solving | 2 |
| 66.67% | 3 | 02 Knowledge of mathematical representations | 2 |
| 70.00% | 5 | 03 Knowledge of mathematics through reasoning | 2 |
| 70.00% | 5 | 04 Knowledge of mathematical connections | 2 |
| 50.00% | 10 | 05 Knowledge of number sense, concepts, and operations | 2 |
| 52.50% | 20 | 06 Knowledge of algebraic thinking | 2 |
| 75.00% | 8 | 07 Knowledge of data analysis and probability | 2 |
| 61.11% | 18 | 08 Knowledge of geometry and spatial sense | 2 |
| 50.00% | 8 | 09 Knowledge of measurement | 2 |

**Test=Professional Education (PED) (83)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 75.64% | 10 | 01 Knowledge of various types of assessment strategies that can be used to determine student levels and needs (Assessment) | 23 |
| 79.69% | 11 | 02 Knowledge of effective communication with students, parents, faculty, other professionals, and the public, including those whose home language is not English (Communications) | 23 |
| 59.85% | 6 | 03 Knowledge of strategies for continuous improvement in professional practices for self and school (Continuous Improvement) | 23 |
| 81.78% | 11 | 04 Knowledge of strategies, materials, and technologies that will promote and enhance critical and creative thinking skills (Critical Thinking) | 23 |
| 77.72% | 8 | 05 Knowledge of cultural, linguistic, and learning style differences and how these differences affect classroom practice and student learning (Diversity) | 23 |
| 89.63% | 6 | 06 Knowledge of the Code of Ethics and Principles of Professional Conduct of the Education Profession in Florida (Ethics) | 23 |
| 76.00% | 11 | 07 Knowledge of how to apply human development and learning theories that support the intellectual, personal, and social development of all students (Human Development and Learning) | 23 |
| 71.15% | 7 | 08 Knowledge of effective reading strategies that can be applied across the curriculum to increase learning (Subject Matter) | 23 |
| 77.08% | 11 | 09 Knowledge of strategies to create and sustain a safe, efficient, supportive learning environment (Learning Environment) | 23 |
| 75.49% | 11 | 10 Knowledge of how to plan and conduct lessons in a variety of learning environments that lead to student outcomes consistent with state and district standards (Planning) | 23 |
| 76.30% | 8 | 11 Knowledge of collaborative strategies for working with various education professionals, parents, and other appropriate participants in the continual improvement of educational experiences of students (Role of the Teacher) | 23 |
| 80.92% | 6 | 12 Knowledge of strategies for the implementation of technology in the teaching and learning process (Technology) | 23 |
| 69.47% | 6 | 13 Knowledge of the history of education and its philosophical and sociological foundations (Foundations of Education) | 23 |
| 69.02% | 8 | 14 Knowledge of specific approaches, methods, and strategies appropriate for students with limited English proficiency (ESOL) | 23 |

**Test=Social Science 6-12 (37)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 82.90% | 18 | 01 Knowledge of Geography | 22 |
| 75.46% | 17 | 02 Knowledge of Economics | 22 |
| 67.85% | 18 | 03 Knowledge of Political Science | 22 |
| 64.98% | 24 | 04 Knowledge of World History | 22 |
| 70.66% | 35 | 05 Knowledge of American History | 22 |
| 82.61% | 7 | 06 Knowledge of Social Science and its methodology | 22 |

**Test=Spanish K-12 (39)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 86.67% | 30 | 03 Proficiency in interpretive modes of communication (Listening and Reading) | 1 |
| 33.33% | 15 | 04 Knowledge of Hispanic cultures (Spain, Latin America, and the United States) | 1 |
| 78.26% | 23 | 05 Knowledge of language structure | 1 |
| 41.67% | 12 | 06 Knowledge of second language acquisition principles and teaching methods | 1 |