FTCE Competency Report ~ All 2009-2010 Completers, EXSE (430) Majors only

Best Attempt Data

**Test=Business Education 6-12 (51)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 54.17% | 24 | 01 Knowledge of information and technological systems | 1 |
| 50.00% | 18 | 02 Knowledge of business communications | 1 |
| 58.33% | 12 | 03 Knowledge of administrative office systems | 1 |
| 83.33% | 12 | 04 Knowledge of accounting | 1 |
| 66.67% | 12 | 05 Knowledge of business management | 1 |
| 66.67% | 6 | 06 Knowledge of financial management | 1 |
| 66.67% | 6 | 07 Knowledge of business law | 1 |
| 94.44% | 18 | 08 Knowledge of foundations, teaching methods, and professional development | 1 |
| 66.67% | 6 | 09 Knowledge of international business | 1 |
| 66.67% | 6 | 10 Knowledge of career development | 1 |

**Test=Elementary Education K-6 (60 Pre-Oct 2009) (Subarea 2) Mathematics**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 82.58% | 11 | 07 Knowledge of number sense, concepts, and operations | 21 |
| 75.00% | 8 | 08 Knowledge of measurement | 21 |
| 64.89% | 8 | 09 Knowledge of geometry and spatial sense | 21 |
| 72.22% | 6 | 10 Knowledge of algebraic thinking | 21 |
| 71.58% | 8 | 11 Knowledge of data analysis and probability | 21 |
| 62.50% | 4 | 12 Knowledge of instruction and assessment | 21 |

**Test=Elementary Education K-6 (60 Pre-Oct 2009) (Subarea 3) Social Science**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 60.56% | 12 | 13 Knowledge of time, continuity, and change (history) | 21 |
| 65.15% | 11 | 14 Knowledge of people, places, and environment (geography) | 21 |
| 65.97% | 12 | 15 Knowledge of government and the citizen (government and civics) | 21 |
| 71.88% | 8 | 16 Knowledge of production, distribution, and consumption (economics) | 21 |
| 91.67% | 2 | 17 Knowledge of instruction and assessment of the social sciences | 21 |

**Test=Elementary Education K-6 (60 Pre-Oct 2009) (Subarea 4) Science and Technology**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 75.00% | 3 | 18 Knowledge of the nature of matter | 21 |
| 72.50% | 10 | 19 Knowledge of forces, motion, and energy | 21 |
| 70.24% | 7 | 20 Knowledge of processes that shape the Earth | 21 |

**Test=Elementary Education K-6 (60 Pre-Oct 2009) (Subarea 5) Music/Visual Arts**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 56.76% | 6 | 27 Knowledge of skills and techniques in music and visual arts | 21 |
| 51.43% | 6 | 28 Knowledge of creation and communication in music and visual arts | 21 |
| 70.83% | 4 | 29 Knowledge of cultural and historical connections in music and visual arts | 21 |
| 69.57% | 2 | 30 Knowledge of aesthetic and critical analysis of music and visual arts | 21 |
| 70.83% | 4 | 31 Knowledge of appropriate assessment strategies in music and visual arts | 21 |

**Test=Elementary Education K-6 (60 Pre-Oct 2009) (Subarea 6) Physical/Health**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 79.17% | 6 | 32 Knowledge of personal health and wellness | 21 |
| 78.50% | 9 | 33 Knowledge of physical, social, and emotional growth and development | 21 |
| 81.25% | 4 | 34 Knowledge of community health and safety issues | 21 |
| 89.58% | 4 | 35 Knowledge of subject content and appropriate curriculum design | 21 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 73.71% | 14 | 01 Knowledge of reading process | 21 |
| 79.28% | 16 | 02 Knowledge of literature and literary analysis | 21 |
| 64.65% | 11 | 03 Knowledge of the writing process and its applications | 21 |
| 89.17% | 6 | 04 Knowledge of reading methods and assessment | 21 |
| 85.11% | 6 | 05 Knowledge of communication | 21 |
| 81.98% | 6 | 06 Knowledge of information and media literacy | 21 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 60.61% | 11 | 07 Knowledge of time, continuity, and change (i.e., history) | 21 |
| 64.65% | 11 | 08 Knowledge of people, places, and environment (i.e., geography) | 21 |
| 65.87% | 14 | 09 Knowledge of government and the citizen (i.e., government and civics) | 21 |
| 71.43% | 7 | 10 Knowledge of production, distribution, and consumption (i.e., economics) | 21 |
| 83.33% | 2 | 11 Knowledge of instruction and assessment of the social sciences | 21 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 63.49% | 7 | 12 Knowledge of skills and techniques in music and visual arts | 21 |
| 63.49% | 7 | 13 Knowledge of creation and communication in music and visual arts | 21 |
| 55.56% | 4 | 14 Knowledge of cultural and historical connections in music and visual arts | 21 |
| 61.11% | 2 | 15 Knowledge of aesthetic and critical analysis of music and visual arts | 21 |
| 72.22% | 2 | 16 Knowledge of appropriate assessment strategies in music and visual arts | 21 |
| 73.47% | 6 | 17 Knowledge of personal health and wellness | 21 |
| 67.37% | 11 | 18 Knowledge of physical, social, and emotional growth and development | 21 |
| 75.56% | 5 | 19 Knowledge of community health and safety issues | 21 |
| 66.67% | 2 | 20 Knowledge of subject content and appropriate curriculum design | 21 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 61.45% | 4 | 21 Knowledge of the nature of matter | 21 |
| 69.87% | 8 | 22 Knowledge of forces, motion, and energy | 21 |
| 68.50% | 8 | 23 Knowledge of Earth and space | 21 |
| 73.91% | 8 | 24 Knowledge of life science | 21 |
| 84.62% | 7 | 25 Knowledge of the nature of science | 21 |
| 81.13% | 2 | 26 Knowledge of the relationship of science and technology | 21 |
| 73.08% | 3 | 27 Knowledge of instruction and assessment | 21 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 72.84% | 18 | 28 Knowledge of numbers and operations | 21 |
| 64.80% | 14 | 29 Knowledge of geometry and measurement | 21 |
| 80.00% | 6 | 30 Knowledge of algebra | 21 |
| 66.67% | 5 | 31 Knowledge of data analysis | 21 |
| 50.00% | 2 | 32 Knowledge of instruction and assessment | 21 |

**Test=English 6-12 (13)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 75.00% | 16 | 01 Knowledge of the English language and methods for effective teaching | 3 |
| 67.35% | 16 | 02 Knowledge of writing and methods for effective teaching | 3 |
| 78.43% | 17 | 03 Knowledge of the use of the reading process to construct meaning from a wide range of selections | 3 |
| 62.75% | 17 | 04 Knowledge of literature and methods for effective teaching | 3 |
| 60.53% | 13 | 05 Knowledge of listening, viewing, and speaking as methods for acquiring critical literacy | 3 |
| 50.00% | 5 | 06 Knowledge of the methods for integration of the language arts | 3 |

**Test=English to Speakers of Other Languages (ESOL) K-12 (47)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 73.33% | 15 | 01 Knowledge of language principles | 2 |
| 67.86% | 14 | 02 Knowledge of first and second language acquisition theories and classroom application | 2 |
| 54.55% | 11 | 03 Knowledge of sociolinguistic, cultural, ethnic, and sociopolitical issues | 2 |
| 52.00% | 13 | 04 Knowledge of curriculum, curriculum materials, and resources | 2 |
| 64.29% | 7 | 05 Knowledge of instructional delivery models | 2 |
| 63.33% | 15 | 06 Knowledge of instructional methods and strategies | 2 |
| 58.33% | 6 | 07 Knowledge of instructional technology | 2 |
| 57.14% | 14 | 08 Knowledge of literacy development and classroom application | 2 |
| 75.00% | 12 | 09 Knowledge of assessment | 2 |
| 50.00% | 7 | 10 Knowledge of ELL exceptionality issues | 2 |
| 58.33% | 6 | 11 Knowledge of federal and state policies and mandates | 2 |

**Test=Exceptional Student Education K-12 (61)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 76.37% | 24 | 01 Knowledge of foundations of exceptional student education | 32 |
| 75.45% | 17 | 02 Knowledge of assessment and evaluation | 32 |
| 79.32% | 22 | 03 Knowledge of instructional practices in exceptional student education | 32 |
| 82.99% | 18 | 04 Knowledge of assessing, designing, and implementing positive behavioral supports | 32 |
| 72.15% | 19 | 05 Knowledge of language development and communication skills | 32 |
| 79.01% | 10 | 06 Knowledge of skills related to teaching interpersonal interactions and participation | 32 |
| 75.00% | 9 | 07 Knowledge of the transition process | 32 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 88.24% | 4 | 01 Conceptual and organizational skills | 17 |
| 87.25% | 6 | 02 Word choice skills | 17 |
| 83.33% | 6 | 03 Sentence structure skills | 17 |
| 82.56% | 24 | 04 Grammar, spelling, capitalization, and punctuation skills | 17 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 76.56% | 12 | 01 Knowledge of literal comprehension | 18 |
| 79.06% | 29 | 02 Knowledge of inferential comprehension | 18 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 77.08% | 8 | 01 Knowledge of number sense, concepts, and operations | 18 |
| 67.22% | 10 | 02 Knowledge of measurement (using customary or metric units) | 18 |
| 66.67% | 9 | 03 Knowledge of geometry and spatial sense | 18 |
| 82.72% | 9 | 04 Knowledge of algebraic thinking | 18 |
| 76.54% | 9 | 05 Knowledge of data analysis and probability | 18 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 53.85% | 13 | 01 Knowledge of algebra | 1 |
| 33.33% | 6 | 02 Knowledge of functions | 1 |
| 30.00% | 10 | 03 Knowledge of geometry from a synthetic perspective | 1 |
| 40.00% | 5 | 04 Knowledge of geometry from an algebraic perspective | 1 |
| 25.00% | 4 | 05 Knowledge of trigonometry | 1 |
| 100.0% | 4 | 06 Knowledge of statistics | 1 |
| 80.00% | 5 | 07 Knowledge of probability | 1 |
| 50.00% | 4 | 08 Knowledge of discrete mathematics | 1 |
| 33.33% | 3 | 09 Knowledge of calculus | 1 |
| 100.0% | 4 | 10 Knowledge of number sense and mathematical structure | 1 |
| 100.0% | 2 | 11 Knowledge of mathematics as communication | 1 |
| 33.33% | 3 | 12 Knowledge of mathematics as reasoning | 1 |
| 50.00% | 2 | 13 Knowledge of mathematical connections | 1 |
| 60.00% | 5 | 14 Knowledge of instruction | 1 |
| 60.00% | 5 | 15 Knowledge of assessment | 1 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 70.97% | 10 | 01 Knowledge of written and oral language | 3 |
| 77.42% | 11 | 02 Knowledge of reading | 3 |
| 65.00% | 7 | 03 Knowledge of literature | 3 |
| 100.0% | 3 | 04 Knowledge of teaching middle grades English | 3 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 50.00% | 5 | 05 Knowledge of the nature of science | 3 |
| 52.17% | 8 | 06 Knowledge of living things and their environment | 3 |
| 50.00% | 8 | 07 Knowledge of the forces of Earth and space | 3 |
| 42.86% | 7 | 08 Knowledge of matter and energy | 3 |
| 100.0% | 3 | 09 Knowledge of teaching middle grades general science | 3 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 63.16% | 6 | 10 Knowledge of number sense, concepts, and operations | 3 |
| 71.43% | 5 | 11 Knowledge of data analysis and probability | 3 |
| 63.64% | 7 | 12 Knowledge of algebra | 3 |
| 46.67% | 5 | 13 Knowledge of geometry | 3 |
| 62.50% | 5 | 14 Knowledge of measurement | 3 |
| 75.00% | 2 | 15 Knowledge of teaching middle grades mathematics | 3 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 36.67% | 10 | 16 Knowledge of history | 3 |
| 53.85% | 9 | 17 Knowledge of geography | 3 |
| 55.17% | 10 | 18 Knowledge of government, economics, and other social sciences | 3 |
| 100.0% | 2 | 19 Knowledge of teaching middle grades social science | 3 |

**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 | 1 |
| 100.0% | 3 | 02 Knowledge of mathematical representations | 1 |
| 80.00% | 5 | 03 Knowledge of mathematics through reasoning | 1 |
| 100.0% | 5 | 04 Knowledge of mathematical connections | 1 |
| 80.00% | 10 | 05 Knowledge of number sense, concepts, and operations | 1 |
| 75.00% | 20 | 06 Knowledge of algebraic thinking | 1 |
| 37.50% | 8 | 07 Knowledge of data analysis and probability | 1 |
| 72.22% | 18 | 08 Knowledge of geometry and spatial sense | 1 |
| 100.0% | 8 | 09 Knowledge of measurement | 1 |

**Test=Physical Education K-12 (63)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 50.00% | 4 | 01 History and philosophy | 1 |
| 50.00% | 12 | 02 Curricular theory and development | 1 |
| 87.50% | 16 | 03 Instructional strategies | 1 |
| 60.00% | 10 | 04 Human growth, motor development, motor learning | 1 |
| 44.44% | 18 | 05 Skill and movement principles | 1 |
| 76.92% | 13 | 06 Health and wellness | 1 |
| 66.67% | 6 | 07 Social and emotional development | 1 |
| 84.62% | 13 | 08 Assessment | 1 |
| 72.73% | 11 | 09 Supervision, management, laws, legislation | 1 |
| 66.67% | 6 | 10 Rules, strategies, terminology | 1 |
| 40.00% | 5 | 11 Professional development, advocacy | 1 |
| 25.00% | 4 | 12 Technology | 1 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 80.26% | 10 | 01 Knowledge of various types of assessment strategies that can be used to determine student levels and needs (Assessment) | 30 |
| 79.10% | 11 | 02 Knowledge of effective communication with students, parents, faculty, other professionals, and the public, including those whose home language is not English (Communications) | 30 |
| 73.60% | 6 | 03 Knowledge of strategies for continuous improvement in professional practices for self and school (Continuous Improvement) | 30 |
| 72.81% | 11 | 04 Knowledge of strategies, materials, and technologies that will promote and enhance critical and creative thinking skills (Critical Thinking) | 30 |
| 85.00% | 8 | 05 Knowledge of cultural, linguistic, and learning style differences and how these differences affect classroom practice and student learning (Diversity) | 30 |
| 83.82% | 6 | 06 Knowledge of the Code of Ethics and Principles of Professional Conduct of the Education Profession in Florida (Ethics) | 30 |
| 82.19% | 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) | 30 |
| 75.90% | 7 | 08 Knowledge of effective reading strategies that can be applied across the curriculum to increase learning (Subject Matter) | 30 |
| 87.77% | 11 | 09 Knowledge of strategies to create and sustain a safe, efficient, supportive learning environment (Learning Environment) | 30 |
| 80.00% | 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) | 30 |
| 81.22% | 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) | 30 |
| 79.76% | 6 | 12 Knowledge of strategies for the implementation of technology in the teaching and learning process (Technology) | 30 |
| 73.68% | 6 | 13 Knowledge of the history of education and its philosophical and sociological foundations (Foundations of Education) | 30 |
| 75.31% | 8 | 14 Knowledge of specific approaches, methods, and strategies appropriate for students with limited English proficiency (ESOL) | 30 |

**Test=Reading K-12 (35)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 37.50% | 2 | 01 Knowledge of the theories and underlying assumptions of reading processes | 4 |
| 89.58% | 12 | 02 Knowledge of emergent literacy | 4 |
| 64.58% | 12 | 03 Knowledge of decoding, encoding, and related reading processes | 4 |
| 71.88% | 8 | 04 Knowledge of reading fluency development | 4 |
| 66.67% | 18 | 05 Knowledge of reading comprehension | 4 |
| 83.33% | 9 | 06 Knowledge of content area reading and learning | 4 |
| 62.50% | 4 | 07 Knowledge of literary genres, elements, and interpretations | 4 |
| 66.67% | 6 | 08 Knowledge of diverse learners | 4 |
| 82.35% | 17 | 09 Knowledge of reading assessments | 4 |
| 62.50% | 2 | 10 Knowledge of print and nonprint media | 4 |
| 82.14% | 7 | 11 Knowledge of classroom environments that support reading | 4 |
| 77.50% | 10 | 12 Knowledge of research | 4 |
| 80.00% | 10 | 13 Knowledge of reading program supervision and administration | 4 |

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

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 100.0% | 12 | 01 Knowledge of Geography | 1 |
| 88.89% | 18 | 02 Knowledge of Economics | 1 |
| 64.71% | 17 | 03 Knowledge of Political Science | 1 |
| 66.67% | 30 | 04 Knowledge of World History | 1 |
| 70.00% | 30 | 05 Knowledge of American History | 1 |
| 91.67% | 12 | 06 Knowledge of Social Science and its methodology | 1 |

**Test=Speech-Language Impaired K-12 (42)**

| **Percent Correct** | **No. of Items** | **Competency Area** | **No. of Students** |
| --- | --- | --- | --- |
| 50.00% | 24 | 01 Knowledge of basic communication processes | 1 |
| 83.33% | 36 | 02 Knowledge of the assessment process for students served in the school population | 1 |
| 69.44% | 36 | 03 Knowledge of intervention techniques for students served in the school population | 1 |
| 72.22% | 18 | 04 Knowledge of professional and legal issues | 1 |
| 16.67% | 6 | 05 Knowledge of research and theory | 1 |