

**Teaching Performance Expectations (TPEs)**  
**Part 2: Subject Specific Pedagogy, Single Subject**  
**Key ideas from TPEs**

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**Agriculture**

1. Demonstrations, hands-on labs, experimentation
  2. Problem solving (in animal science, plant and soil science, horticulture, business, environmental science, natural resource management, systems management)
  3. Procedures for care, safe use, and storage of equipment and materials
  4. Ethical care and handling of live animals
  5. Supervised Ag projects
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**Art**

1. Explore artistic questions and solve artistic problems
  2. Support development in creative processes, artistic skills and techniques
  3. Explanations, demonstrations, activities to respond to sensory information
  4. Translating thoughts, perceptions, ideas into original works of art or designs
  5. Historical, cultural, and contemporary contributions of art
  6. Critical evaluations about quality, impact, and success of artwork
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**English Language Arts (ELA)**

1. Model and assist students to integrate technology and media into ELA
  2. Teach the skills for:
    - a. Reading/comprehension of complex literary & informational text
    - b. Interpreting meaning, analyzing structures of texts, evaluating perspective
  3. Teach vocabulary acquisition and use of standard English conventions
  4. Production of argumentative, informative, and narrative text through writing process
  5. Use evidence to support a position
  6. Assess skill level of students through meaningful indicators
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**History-Social Science**

1. Use analytical thinking skills; questions and topics of disciplinary significance
  2. Teach past to make reasoned decisions based on evidence
  3. Use time lines, maps, simulations, case studies, cultural artifacts, works of art and literature, cooperative projects, student research activities
  4. Understand events and periods from multiple perspectives by using primary sources
  5. Help students recognize implicit and explicit bias and subjectivity in historical actors
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**Mathematics**

1. Focus on computation, concepts, and symbols to solve common and novel problems
  2. Connections among math topics and to real world situations
  3. Multiple representations and solutions: concrete, verbal, symbolic, graphic
  4. Student collaboration, oral and written communication
  5. Logical arguments, justification, reasoning, relevant evidence
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**Music**

1. Sing/Play: Instruct students in voice and instruments
  2. Movement to demonstrate rhythm and expressive nuances of music
  3. Echo-Sing/Play: Instrumental/choral rehearsal techniques; aural musicianship and analysis skills
  4. Listen to recordings: Aesthetic value in music; respond to, analyze and critique performances; harmonic progressions and cadences; contributions of diverse cultural, ethnic, and gender groups; development of music genres
  5. Read and notate music, compose, improvise
  6. Model performances on instruments and voice
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**Physical Education**

1. Knowledge, concepts, skills, assessment of: motor skills development, physical fitness
  2. Evidence of student learning using appropriate assessment tools
  3. Subject-relevant texts and graphic/media representations, collaboration and communication, evaluation of technology and media tool
  4. Disposition toward healthy lifestyles
  5. Safe and productive participation in physical activity
  6. Organize and monitor activities
  7. Develop procedures to take care of equipment
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**Science**

1. Explanations, demonstrations, and activities illustrate concepts, principles, scientific investigation and experimentation
  2. Nature of science, integration of engineering design
  3. Connections between science, society, technology, environment
  4. Integration of math concepts: accuracy, precision, estimation, measure/record scientific data
  5. Evidence-based explanations and argumentation
  6. Subject-relevant texts, graphic/media representations
  7. Monitor labs for validity and safety
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**World Languages**

1. Use the 3 communicative modes: Interpretive, Interpersonal, Presentational
  2. Conduct classes in target language
  3. Students demonstrates communicative ability in target language
  4. Validation and expansion of language and cultures of native speakers
  5. Increasingly complex subject-relevant texts and graphic/media representations
  6. Writing argumentative and expository text in target language
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