

Tech Challenge 2008: Water Works

California State Board of Education Content Standards

Grade Five

Science: (3a, 3b, 3c, 3d, 3e, 6b, 6c, 6e, 6f, 6g, 6h, 6i)

Mathematical Reasoning: (1.1, 1.2, 2.0, 2.1, 2.2, 2.4)

Number Sense: (1.1, 2.1, 2.4, 2.5)

Algebra: (1.1)

Geometry: (1.3, 2.1, 2.3)

Statistics and Data Analysis: (1.0, 1.3)

Writing: (2.3, 2.4)

Listening and Speaking: (1.4, 1.5, 1.6, 2.2)

Grade Six:

Science: (2a, 2b, 3a, 5e, 6a, 6b, 7a, 7b, 7d, 7e, 7f, 7h)

Mathematical Reasoning: (1.1, 1.2, 1.3, 2.1, 2.2, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3)

Number Sense: (1.2, 1.3, 1.4, 2.3)

Algebra: (1.1, 2.2, 2.3, 3.2)

Statistics and Data Analysis: (3.0, 3.1, 3.2, 3.5)

Writing: (1.0, 1.1, 1.2, 1.4, 2.2, 2.5)

Listening and Speaking: (1.3, 1.4, 1.5, 1.6, 1.7, 2.2, 2.4, 2.5)

Grade Seven:

Science: (7a, 7c, 7d, 7e)

Mathematical Reasoning: (2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 3.3)

Number Sense: (1.2, 1.3, 1.6, 1.7)

Algebra: (1.1, 1.5)

Measurement and Geometry: (1.1, 1.2, 1.3, 2.1, 2.2, 3.4, 3.5)

Statistics and Data Analysis: (1.1)

Writing: (1.1, 1.2, 1.3, 1.4, 1.6, 1.7, 2.3, 2.4)

Listening and Speaking: (1.4, 1.5, 1.6, 1.7, 1.8, 2.3, 2.4)

Grade Eight:

Science: (1c, 2d, 2e, 9a, 9f)

Mathematical Analysis: (3.0)

Algebra: (1.1, 15.0, 24.0, 24.1, 24.2, 25.0, 25.1, 25.3)

Writing: (1.1, 1.4, 1.5, 2.3, 2.3d, 2.4, 2.4b, 2.4c)

Listening and Speaking: (1.3, 1.4, 1.5, 1.6, 1.7a, 2.1a, 2.1c, 2.3, 2.3d, 2.4, 2.4c, 2.4d)

Grades 9-12:

Investigation and Experimentation: *(1a, 1b, 1c, 1d, 1g, 1j, 1l, 1m)*

Career Technical Education (Engineering/Design):

- Leadership and Teamwork: *(9.1, 9.4, 9.6)*
- Technical Knowledge: *(10.0)*
- Demonstration and Application: *(11.0)*
- Responsibility and Flexibility: *(7.0, 7.1, 7.2, 7.3, 7.4)*

Physics: *(1e, 3a)*

Life Science: *(6a)*

Earth Science: *(7c, 9c)*

Mathematical Analysis: *(3.0)*

Algebra: *(1.1, 15.0, 24.0, 24.1, 24.2, 25.0, 25.1, 25.3)*

Principles of Economics: *(12.1.1, 12.1.3, 12.1.4)*

Visual and Performing Arts: *(2.3)*

Problem Solving and Critical Thinking: *(5.1, 5.2, 5.3)*

Historical Interpretation: *(3.0, 4.0, 5.0)*

Writing: *(1.3, 1.7, 2.6a, 2.6b, 2.6c, 2.6d)*

Listening and Speaking: *(1.7, 1.8, 1.12, 2.2a, 2.2b, 2.2d, 2.2e, 2.2f, 2.5a, 2.5c, 2.5d)*