

# FOSS Texas Ed. Grade 4 TEKS Correlation Mathematics

§111.6. Grade 4, Adopted 2012

## SE=Student Expectations

### Mathematical Process Standards TEKS

4.1 The student uses mathematical processes to acquire and demonstrate mathematical understanding.						
TEKS SE	Energy and Electromagnetism Investigation + part (Active Investigation)	Energy and Electromagnetism Investigation Other Components	Water and Landforms Investigation + part (Active Investigation)	Water and Landforms Investigation Other Components	Environments Investigation + part (Active Investigation)	Environments Investigation Other Components
4.1A	Investigation 3.4	Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension	Investigation 1.1 Investigation 1.3 Investigation 2.1 Investigation 2.2 Investigation 2.3 Investigation 3.1 Investigation 3.2 Investigation 4.1 Investigation 4.2 Investigation 4.3 Investigation 5.4	Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension Inv. 5, Math Extension	Investigation 1.1 Investigation 2.3	Inv. 1, Math Ext. Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.
4.1B	Investigation 3.4	Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension		Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension		Inv. 1, Math Ext. Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.

<b>4.1C</b>	Investigation 1.1 Investigation 1.2 Investigation 1.3 Investigation 1.4  Investigation 2.1 Investigation 2.2 Investigation 2.3 Investigation 2.4  Investigation 3.1 Investigation 3.2 Investigation 3.3 Investigation 3.4  Investigation 4.1 Investigation 4.2 Investigation 4.3 Investigation 4.4		Investigation 1.1 Investigation 1.2 Investigation 1.3 Investigation 1.4  Investigation 2.1 Investigation 2.2 Investigation 2.3 Investigation 2.4  Investigation 3.1 Investigation 3.2 Investigation 3.3  Investigation 4.1 Investigation 4.2 Investigation 4.3  Investigation 5.1 Investigation 5.2 Investigation 5.3 Investigation 5.4 Investigation 5.5 Investigation 5.6		Investigation 1.1 Investigation 1.2 Investigation 1.3 Investigation 1.4  Investigation 2.1 Investigation 2.2 Investigation 2.3 Investigation 2.4  Investigation 3.1 Investigation 3.2 Investigation 3.3 Investigation 3.4  Investigation 4.1 Investigation 4.2 Investigation 4.3	
<b>4.1D</b>	Investigation 3.4 Investigation 4.2	Inv. 4, Math Extension	Investigation 4.1	Inv. 1, Math Extension Inv. 3, Math Extension		Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.
<b>4.1E</b>	Investigation 3.4 Investigation 4.2	Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension	Investigation 2.2 Investigation 4.1 Investigation 5.4	Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension		Inv. 1, Math Ext. Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.
<b>4.1F</b>	Investigation 3.4 Investigation 4.2	Inv. 1, Math Extension Inv. 4, Math Extension		Inv. 2, Math Extension Inv. 3, Math Extension		Inv. 4, Math Ext.
<b>4.1G</b>	Investigation 3.4 Investigation 4.2	Inv. 2, Math Extension Inv. 4, Math Extension	Investigation 2.2 Investigation 4.1	Inv. 1, Math Extension Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension Inv. 5, Math Extension		Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.

## Number and Operations TEKS

4.2 The student applies mathematical process standards to represent, compare, and order whole numbers and decimals and understand relationships related to place value.						
TEKS SE	Energy and Electromagnetism Investigation + part (Active Investigation)	Energy and Electromagnetism Investigation Other Components	Water and Landforms Investigation + part (Active Investigation)	Water and Landforms Investigation Other Components	Environments Investigation + part (Active Investigation)	Environments Investigation Other Components
4.2A						
4.2B				Inv. 3, Math Extension		
4.2C				Inv. 3, Math Extension		
4.2D						
4.2E		Inv. 3, Math Extension				
4.2F						
4.2G						
4.2H						
4.3 The student applies mathematical process standards to represent and generate fractions to solve problems.						
TEKS SE	Energy and Electromagnetism Investigation + part (Active Investigation)	Energy and Electromagnetism Investigation Other Components	Water and Landforms Investigation + part (Active Investigation)	Water and Landforms Investigation Other Components	Environments Investigation + part (Active Investigation)	Environments Investigation Other Components
3.3A						
3.3B						
3.3C						
3.3D						
3.3E						
3.3F						
3.3G						
4.4 The student applies mathematical process standards to develop and use strategies and methods for whole number computations and decimal sums and differences in order to solve problems with efficiency and accuracy.						
TEKS SE	Energy and Electromagnetism Investigation + part	Energy and Electromagnetism Investigation Other	Water and Landforms Investigation + part (Active Investigation)	Water and Landforms Investigation Other Components	Environments Investigation + part (Active Investigation)	Environments Investigation Other Components

	(Active Investigation)	Components				
3.4A		Inv. 3, Math Extension				
3.4B						
3.4C						
3.4D						
3.4E						
3.4F						
3.4G				Inv. 3, Math Extension		
3.4H	Investigation 4.2	Inv. 3, Math Extension Inv. 4, Math Extension		Inv. 3, Math Extension		Inv. 4, Math Ext

### Algebraic Reasoning TEKS

<b>4.5</b>	<b>The student applies mathematical process standards to develop concepts of expressions and equations.</b>					
<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
3.5A	Investigation 4.2	Inv. 2, Math Extension Inv. 4, Math Extension	Investigation 2.2	Inv. 1, Math Extension Inv. 2, Math Extension		Inv. 4, Math Ext.
3.5B		Inv. 2, Math Extension		Inv. 2, Math Extension		Inv. 3, Math Ext. Inv. 4, Math Ext.
3.5C						Inv. 1, Math Ext.
3.5D		Inv. 1, Math Extension				Inv. 1, Math Ext.

### Geometry and Measurement TEKS

<b>4.6</b>	<b>The student applies mathematical process standards to analyze geometric attributes in order to develop generalizations about their properties.</b>					
<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
4.6A						
4.6B						
4.6C						

4.6D						
<b>4.7</b>	<b>The student applies mathematical process standards to solve problems involving angles less than or equal to 180 degrees.</b>					
<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
4.7A						
4.7B						
4.7C						
4.7D						
4.7E						
<b>4.8</b>	<b>The student applies mathematical process standards to select appropriate customary and metric units, strategies, and tools to solve problems involving measurement.</b>					
<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
4.8A			Investigation 1.3 Investigation 2.1 Investigation 2.2 Investigation 2.3 Investigation 3.1 Investigation 3.2 Investigation 4.1 Investigation 5.4	Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension	Investigation 4.1	Inv. 1, Math Ext. Inv. 2, Math Ext. Inv. 4, Math Ext.
4.8B						
4.8C	Investigation 3.4 Investigation 4.2	Inv. 1, Math Extension Inv. 4, Math Extension	Investigation 1.3 Investigation 3.1 Investigation 3.3 Investigation 4.1 Investigation 4.2 Investigation 4.3	Inv. 1, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension Inv. 5, Math Extension		Inv. 1, Math Ext. Inv. 2, Math Ext. Inv. 3, Math Ext. Inv. 4, Math Ext.
<b>Data Analysis TEKS</b>						
<b>4.9</b>	<b>The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data.</b>					

<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
<b>4.9A</b>	Investigation 3.4 Investigation 4.2	Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension		Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension Inv. 5, Math Extension	Investigation 2.3	Inv. 4, Math Ext.
<b>4.9B</b>	Investigation 3.4 Investigation 4.2	Inv. 2, Math Extension Inv. 3, Math Extension Inv. 4, Math Extension		Inv. 2, Math Extension	Investigation 2.3	Inv. 1, Math Ext. Inv. 4, Math Ext.

**Personal Financial Literacy TEKS**

<b>4.10</b>	<b>The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data.</b>					
<b>TEKS SE</b>	<b>Energy and Electromagnetism</b> Investigation + part (Active Investigation)	<b>Energy and Electromagnetism</b> Investigation Other Components	<b>Water and Landforms</b> Investigation + part (Active Investigation)	<b>Water and Landforms</b> Investigation Other Components	<b>Environments</b> Investigation + part (Active Investigation)	<b>Environments</b> Investigation Other Components
<b>4.10A</b>						
<b>4.10B</b>						
<b>4.10C</b>						
<b>4.10D</b>						
<b>4.10E</b>						