

## Grades 6-12 Common Core and Washington State Science Standards Typically Addressed Through the Field Investigation Process

	<b>Science Crosscutting Concepts &amp; Abilities</b>	<b>Mathematics</b>	<b>English Language Arts</b>
<b>6-8</b>	<p><b>6-8 SYSA</b> – Subsystems  <b>6-8 SYSF</b> – Investigating Systems  <b>6-8 INQA</b> – Question  <b>6-8 INQB</b> – Investigate: Types of Questions  <b>6-8 INQC</b> – Investigate: Data  <b>6-8 INQD</b> – Investigate: Variables  <b>6-8 INQE</b> – Models  <b>6-8 INQF</b> – Explain  <b>6-8 INQG</b> – Communicate Clearly  <b>6-8 INQH</b> – Intellectual Honesty  <b>6-8 INQI</b> – Consider Ethics</p>	<p><b>6.NW.2</b> – Fluently Divide Multi-Digit Numbers  <b>6.NW.3</b> – Fluently Add, Subtract, Multiply and Divide Multi-Digit Decimals  <b>6.SP.2</b> – Understand Statistical Data  <b>6.SP.3</b> – Understand Measures of Center and Variation  <b>6.SP.4</b> – Display Numerical Data in Plots  <b>6.SP.5</b> – Summarize Numerical Data Sets  <b>7.SP.1</b> – Understand Random Sampling  <b>7.SP.2</b> – Draw Inferences from Random Sample Data  <b>7.SP.4</b> – Use Measures of Center and Variation to Compare Populations  <b>8.SP.1</b> – Construct and Interpret Scatter Plots  <b>8.SP.2</b> – Model Relationships Between Variables on a Scatter Plot with a Straight Line  <b>8.SP.4</b> – Construct and Interpret Two-Way Tables of Data and Look for Correlations (Relative Frequencies)</p>	<p><b>6.RI.4</b> – Determine the Meaning of Words and Phrases in a Text  <b>6.W.4</b> – Produce Clear and Coherent Writing Appropriate to Task, Purpose and Audience  <b>6.SL.1</b> – Engage in Collaborative Discussions with Diverse Partners  <b>7.RI.4</b> – Determine the Meaning of Words and Phrases in a Text  <b>7.W.4</b> – Produce Clear and Coherent Writing Appropriate to Task, Purpose and Audience  <b>7.SL.1</b> – Engage in Collaborative Discussions with Diverse Partners  <b>8.RI.4</b> – Determine the Meaning of Words and Phrases in a Text  <b>8.W.4</b> – Produce Clear and Coherent Writing Appropriate to Task, Purpose and Audience  <b>8.SL.1</b> – Engage in Collaborative Discussions with Diverse Partners</p>
<b>9-12</b>	<p><b>9-12 INQA</b> – Question  <b>9-12 INQB</b> – Investigate: Process  <b>9-12 INQC</b> – Explain  <b>9-12 INQD</b> – Communicate Clearly</p>	<p><b>N-Q.1</b> – Understand and Use Units and Scale Consistently to Solve Problems  <b>N-Q.2</b> – Define Appropriate Quantities for Descriptive Modeling  <b>N-Q.3</b> – Choose Appropriate Accuracy to Report Quantities  <b>F-BF.1</b> – Write a Function to Describe a Relationship Between Two Quantities  <b>S-ID.1</b> – Represent Data with Plots on the Real Number Line  <b>S-ID.3</b> – Interpret Data Sets  <b>S-ID.6</b> – Distinguish Between Correlation and Causation.  <b>S-IC.1</b> – Understand Statistics Inferences and Random Samples  <b>S-IC.3</b> – Recognize Purposes, Differences and Randomization Among Surveys, Experiments and Studies  <b>S-IC.4</b> – Use Data to Estimate Population Mean or Proportion, Develop a Margin of Error</p>	<p><b>9-10.RI.4</b> – Determine the Meaning of Words and Phrases in a Text  <b>9-10.W.4</b> – Produce Clear and Coherent Writing Appropriate to Task, Purpose and Audience  <b>9-10.SL.1</b> – Initiate and Participate in Collaborative Discussions with Diverse Partners  <b>11-12.RI.4</b> – Determine the Meaning of Words and Phrases in a Text  <b>11-12.W.4</b> – Produce Clear and Coherent Writing Appropriate to Task, Purpose and Audience  <b>11-12.SL.1</b> – Initiate and Participate in Collaborative Discussions with Diverse Partners</p>