

	<b>Big Ideas and Science Practices</b>	<b>Reflection Paragraphs</b>	<b>Components</b>	<b>Organization</b>	<b>Mechanics and Conventions</b>	
	<i>The extent to which the portfolio demonstrates a clear identification of the Big Ideas covered and the Science Practices applied in the laboratory investigations.</i>	<i>The extent to which the reflection paragraphs demonstrate a clear connection of concepts, data, and evidence to the Big Ideas and a clear understanding of the application of the Science Practices.</i>	<i>The extent to which the all the required components are compiled in the portfolio.</i>	<i>The extent to which the portfolio follows the portfolio organization guidelines.</i>	<i>The extent to which the report demonstrates control of conventions, including paragraphing, grammar, punctuation, and spelling.</i>	
<b>Weight</b>	30%	40%	10%	10%	10%	
<b>6</b>	<b>Very Effective</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are clearly identified and stated. List is accurate. Student demonstrates thoughtful consideration to the identification process.	<b>Very Effective</b> Paragraphs reflect a clear understanding of how concepts learned and data and evidence from the laboratory investigations connect to the Big Ideas. Paragraphs demonstrate a clear understanding of the application of Science Practices.	<b>Very Effective</b> 100% of the lab reports and reflection paragraphs are compiled in the portfolio.	<b>Very Effective</b> The portfolio effectively follows all portfolio guidelines. It includes all major elements of a portfolio, meets the teacher’s content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	<b>Very Effective</b> There are few or no errors in grammar, mechanics, punctuation, and spelling.	
	<b>5</b>	<b>Good</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are clearly identified and stated. List is mostly accurate. Student demonstrates thoughtful consideration to the identification process.	<b>Good</b> Paragraphs mostly reflect a clear understanding of how concepts learned and data and evidence from the laboratory investigations connect to the Big Ideas. Paragraphs mostly demonstrate a clear understanding of the application of Science Practices.	<b>Good</b> 90% of the lab reports and reflection paragraphs are compiled in the portfolio.	<b>Good</b> The portfolio effectively follows most of the portfolio guidelines but is missing one of the following expectations: includes all major elements of a portfolio, meets the teacher’s content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	<b>Good</b> There are few errors in grammar, mechanics, punctuation, and spelling, and they do not interfere with the content of the report.
	<b>4</b>	<b>Adequate</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are identified and stated. List is somewhat accurate. Student demonstrates adequate consideration to the identification process.	<b>Adequate</b> Paragraphs somewhat reflect an understanding of how concepts learned and data and evidence from the laboratory investigations connect to the Big Ideas. Paragraphs somewhat demonstrate an understanding of the application of Science Practices.	80% of the lab reports and reflection paragraphs are compiled in the portfolio.	<b>Adequate</b> The portfolio effectively follows most of the portfolio guidelines but is missing two of the following expectations: includes all major elements of a portfolio, meets the teacher’s content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.	<b>Adequate</b> There are some errors in grammar, mechanics, punctuation, and spelling that do not significantly interfere with the content of the report.

## Rubric (continued)

<b>3</b>	<p><b>Limited</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are identified but not clearly stated. List is incomplete. Student demonstrates limited consideration to the identification process.</p>	<p><b>Limited</b> Paragraphs reflect an incomplete understanding of how concepts learned and data and evidence from the laboratory investigations connect to the Big Ideas. Paragraphs demonstrate an incomplete understanding of the application of Science Practices.</p>	<p><b>Limited</b> 70% of the lab reports and reflection paragraphs are compiled in the portfolio.</p>	<p><b>Limited</b> The portfolio follows some of the portfolio guidelines but is missing three of the following expectations: includes all major elements of a portfolio, meets the teacher’s content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing.</p>	<p><b>Limited</b> There are several noticeable errors in grammar, mechanics, punctuation, and spelling that may interfere with the content of the report.</p>
<b>2</b>	<p><b>Minimal</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are not correctly identified. Student demonstrates minimal consideration to the identification process.</p>	<p><b>Minimal</b> Paragraphs do not reflect an understanding of how concepts learned and data and evidence from the laboratory investigations connect to the Big Ideas. Paragraphs do not demonstrate understanding of the application of Science Practices.</p>	<p><b>Minimal</b> 60% of the lab reports and reflection paragraphs are compiled in the portfolio.</p>	<p><b>Minimal</b> The portfolio contains the major elements of a potfolio, but it is disorganized and lacks scientific reasoning.</p>	<p><b>Minimal</b> There are patterns of errors in grammar, mechanics, punctuation, and spelling that substantially interfere with the content of the report.</p>
<b>1</b>	<p><b>Inadequate</b> The Big Ideas covered and Science Practices applied in the laboratory investigations are are not identified and stated.</p>	<p><b>Inadequate</b> Paragraphs are absent.</p>	<p><b>Inadequate</b> The lab reports and reflection paragraphs are missing.</p>	<p><b>Inadequate</b> The portfolio lacks all major elements of a portfolio, does not meet the teacher’s content and format expectations, is not clearly organized and formatted, and does not demonstrate strong scientific reasoning and writing.</p>	<p><b>Inadequate</b> The errors in grammar, mechanics, punctuation, and spelling are so severe that they significantly interfere with the content of the report.</p>