### Common Core State Standards Alignment Sheet

**Mystery River**

All lessons in this book align to the following standards.

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Common Core State Standards and Next Generation Science Standards</th>
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<tbody>
<tr>
<td><strong>CCSS Grade 5 Math</strong></td>
<td>RI.5.5 Compare and contrast the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in two or more texts. RI.5.6 Analyze multiple accounts of the same event or topic, noting important similarities and differences in the point of view they represent. RI.5.9 Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably. SL.5.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others’ ideas and expressing their own clearly. SL.5.2 Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally. SL.5.4 Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace. SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.</td>
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<tr>
<td><strong>CCSS Grade 6 ELA-Literacy</strong></td>
<td>RI.6.7 Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue. SL.6.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others’ ideas and expressing their own clearly. SL.6.2 Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study. SL.6.4 Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation. SL.6.5 Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.</td>
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<tr>
<td><strong>CCSS Grade 7 ELA-Literacy</strong></td>
<td>RI.7.5 Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to the development of the ideas. RI.7.6 Determine an author’s point of view or purpose in a text and analyze how the author distinguishes his or her position from that of others. RI.7.9 Analyze how two or more authors writing about the same topic shape their presentations of key information by emphasizing different evidence or advancing different interpretations of facts. SL.7.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 7 topics, texts, and issues, building on others’ ideas and expressing their own clearly. SL.7.2 Analyze the main ideas and supporting details presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how the ideas clarify a topic, text, or issue under study. SL.7.4 Present claims and findings, emphasizing salient points in a focused, coherent manner with pertinent descriptions, facts, details, and examples; use appropriate eye contact, adequate volume, and clear pronunciation. SL.7.5 Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points.</td>
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<tr>
<td><strong>CCSS Grade 8 ELA-Literacy</strong></td>
<td>SL.8.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others’ ideas and expressing their own clearly. SL.8.4 Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, sound valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation. SL.8.5 Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.</td>
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| **CCSS Grades 6-8 ELA-Literacy** | RST.6-8.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.  
RST.6-8.5 Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.  
RST.6-8.6 Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.  
RST.6-8.7 Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).  
RST.6-8.8 Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.  
RST.6-8.9 Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.  
WHST.6-8.1 Write arguments focused on discipline-specific content.  
WHST.6-8.2 Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.  
WHST.6-8.7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.  
WHST.6-8.8 Gather relevant information from multiple print and digital sources; assess the credibility of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and providing basic bibliographic information for sources.  
WHST.6-8.9 Draw evidence from literary or informational texts to support analysis, reflection, and research. |
| **NGSS Grade 5** | 5-LS2-1. Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.  
5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth’s resources and environment. |
| **NGSS Middle School** | MS-LS1-5. Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.  
MS-LS1-6. Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.  
MS-LS2-1. Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.  
MS-LS2-2. Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.  
MS-LS2-3. Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.  
MS-LS2-4. Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.  
MS-LS2-5. Evaluate competing design solutions for maintaining biodiversity and ecosystem services.  
MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.  
MS-ESS3-4. Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth’s systems. |