

# On Level and Advanced Course Comparisons

## Math

	Experience	Depth of Knowledge and Rigor	Standards
On Level	<ul style="list-style-type: none"> <li>Students will formalize and extend the mathematics that was learned in the previous grades through three big ideas of content: (1) numerical reasoning, (2) patterning and algebraic reasoning, and (3) geometric and spatial reasoning.</li> <li>Students engage in learning tasks that develop and apply their understanding of concepts.</li> </ul>	<ul style="list-style-type: none"> <li>Recall information such as fact, definition, term, or a simple procedure, as well as performing a simple algorithm or applying a formula.</li> <li>Problems involve students making decisions on how to go about solving them.</li> <li>Classifying information</li> <li>Interpret information from graphs and tables.</li> <li>Use models to represent math concepts</li> <li>Solve <b>routine</b> problems involving multiple steps or multiple concepts.</li> </ul>	<ul style="list-style-type: none"> <li>6th Grade Georgia Mathematical Standards</li> <li>Georgia Standards for Mathematical Practice</li> </ul>
Honors	<p><i>All of the above and...</i></p> <ul style="list-style-type: none"> <li>Learning tasks involve a greater degree of abstract reasoning and complexity.</li> <li>Students learn and apply skills almost entirely within real world contexts.</li> <li>Homework is expected weekly.</li> <li>Students often work in small groups to solve problems.</li> <li>Class discussions require a high level of reasoning.</li> </ul>	<ul style="list-style-type: none"> <li>Use strategic thinking that involves a higher level of reasoning.</li> <li>Explain the thinking processes involved in solving a problem.</li> <li>Interpret information from a complex graph</li> <li>Solve problems involving multiple steps and concepts.</li> <li>Relate math concepts to real-world applications in new situations</li> </ul>	<ul style="list-style-type: none"> <li>6th Grade Georgia Mathematical Standards</li> <li>Georgia Standards for Mathematical Practice</li> <li>MCS Gifted Standards</li> </ul>
Accelerated 6/7	<p><i>All of the above and...</i></p> <ul style="list-style-type: none"> <li>Standards are addressed at an increased pace</li> <li>Learning tasks may include 7th grade standards and/or greater complexity.</li> </ul>	<ul style="list-style-type: none"> <li>Generalize skills in one area (positive numbers) and apply to new skills (negative numbers).</li> <li>Skills and concepts are applied to 7th grade standards.</li> </ul>	<ul style="list-style-type: none"> <li>6th Grade Georgia Mathematical Standards</li> <li>7th Grade Georgia Mathematics Standards</li> <li>Georgia Standards for Mathematical Practice</li> <li>MCS Gifted Standards</li> </ul>

## Science

	Experience	Depth of Knowledge and Rigor	Standards
On Level	<ul style="list-style-type: none"> <li>Students engage in 6th grade 3 Dimensional science curriculum through the science and engineering practices</li> <li>Students identify crosscutting concepts in science</li> <li>Introduce students to Phenomenon based on the 6th grade curriculum utilizing current events.</li> </ul>	<ul style="list-style-type: none"> <li>Recall scientific knowledge</li> <li>Conduct basic scientific experiments and investigations</li> <li>Ask questions and make inferences about Phenomenon</li> <li>Construct explanations about routine scientific problems</li> <li>Identify patterns in current events</li> <li>Develop and use models</li> <li>Construct arguments about Phenomenon</li> <li>Analyze and interpret data about Phenomenon</li> </ul>	<ul style="list-style-type: none"> <li>6th grade Georgia Stands of Excellence</li> </ul>
Honors	<ul style="list-style-type: none"> <li>Students engage in 6th grade 3 Dimensional science curriculum through the science and engineering practices</li> <li>Students identify crosscutting concepts in science</li> <li>Introduce students to Phenomenon based on the 6th grade curriculum utilizing current events.</li> <li>Students engage in 6th grade science curriculum through the science and engineering practices</li> <li>Complete year-long Capstone Project</li> <li>Lab Aids- Science and Engineer Projects designed at the UNC Berkeley</li> </ul>	<ul style="list-style-type: none"> <li>Apply scientific knowledge</li> <li>Conduct and create scientific experiments and investigations</li> <li>Ask questions and make inferences about Phenomenon</li> <li>Construct explanations about complex scientific problems</li> <li>Identify multiple patterns in current events</li> <li>Develop and use complex models</li> <li>Construct elaborate arguments about Phenomenon</li> <li>Analyze and interpret data about Phenomenon</li> </ul>	<ul style="list-style-type: none"> <li>6th grade Georgia Standards of Excellence</li> <li>MCS Gifted Standards</li> </ul>

## English Language Arts

	Experience	Depth of Knowledge and Rigor	Standards
<b>On Level</b>	<ul style="list-style-type: none"> <li>● Students follow the Engage NY curriculum</li> <li>● Students read 3 novels throughout the course of the year</li> <li>● Students complete 4 essays               <ul style="list-style-type: none"> <li>○ Narrative</li> <li>○ Argumentative</li> <li>○ Research</li> <li>○ Informational</li> </ul> </li> <li>● Work and learning is guided by the teacher with mini and small group lessons built in</li> </ul>	<ul style="list-style-type: none"> <li>● Comprehension of fiction and nonfiction texts as well as poems</li> <li>● Cite text evidence to support inferences</li> <li>● Determine theme and central idea</li> <li>● Identify episodes in plot</li> <li>● Identify and interpret author's point of view, purpose, and craft</li> <li>● Compare and contrast different forms of text</li> <li>● Trace and analyze specific claims</li> <li>● Write and support claims</li> <li>● Produce coherent writing</li> </ul>	<ul style="list-style-type: none"> <li>● 6th grade Georgia Standards of Excellence</li> </ul>
<b>Honors</b>	<ul style="list-style-type: none"> <li>● Students read three books per unit on a 3-2-1 schedule (12 books total for the year)               <ul style="list-style-type: none"> <li>○ Anchor Text- 3 weeks</li> <li>○ Small Group Text- 2 weeks</li> <li>○ Independent Text- 1 week</li> </ul> </li> <li>● Students will have homework every night as all reading takes place at home</li> <li>● Students complete 4 essays               <ul style="list-style-type: none"> <li>○ Narrative</li> <li>○ Argumentative</li> <li>○ Research</li> <li>○ Informational</li> </ul> </li> <li>● Work and learning is more independent/ discovery based with mini lessons to reinforce previous material or introduce new concepts</li> <li>● Class discussions require high levels of comprehension and analysis</li> </ul>	<ul style="list-style-type: none"> <li>● Reads and comprehends informational texts and literature of high complexity and is meeting and often exceeding the demands of grade level texts</li> <li>● Cites strong and thorough textual evidence to support analysis and inferences</li> <li>● Analyzes theme and central idea</li> <li>● Analyze the responses and changes of complex characters contribute to the episodes in plot</li> <li>● Analyze and evaluate how an author develops the narrator or speaker's point of view, purpose, and craft</li> <li>● Compare, contrast and analyze texts in different forms and genres</li> <li>● Trace and evaluate specific claims</li> <li>● Writes highly effective, compelling pieces to support claims</li> <li>● Use critical thinking skills to gather, interpret, organize and synthesize information</li> </ul>	<ul style="list-style-type: none"> <li>● 6th grade Georgia Standards of Excellence</li> <li>● MCS Gifted Standards</li> </ul>

## Social Studies

	Experience	Depth of Knowledge and Rigor	Standards
<p><b>On Level</b></p>	<ul style="list-style-type: none"> <li>Students will focus on World Studies. Students will study Latin America, Canada, Europe, and Australia. Within these areas, students will concentrate on history, geography, government/civics, culture, and economics.</li> <li>Vocabulary and facts are the main focus.</li> <li>Students complete learning activities, mini- projects, and focus on map and geography skills.</li> </ul>	<ul style="list-style-type: none"> <li>Recall prior Social Studies knowledge</li> <li>Focus is on specific facts, definitions.</li> <li>Focus is on applying skills concepts, and relationships (cause and effect, comparisons)</li> <li>Explaining How and Why</li> </ul>	<ul style="list-style-type: none"> <li>6th grade Georgia Standards of Excellence</li> </ul>
<p><b>Honors</b></p>	<ul style="list-style-type: none"> <li>Students will investigate the geography, history, government, and economics of Latin America, the Caribbean, Canada, Europe, Australia, Africa, Southwest Asia (Middle East), and Southern and Eastern Asia.</li> <li>Students will also complete a unit in Personal Finance Literacy.</li> <li>Learning experiences follow the Georgia Standards of Excellence for Social Studies. These experiences are rooted in inquiry and include individual and cooperative projects, reading and writing across the curriculum, vocabulary studies, and integration of technology.</li> <li>Able to complete research for homework as needed for projects.</li> </ul>	<ul style="list-style-type: none"> <li>Recall prior Social Studies Knowledge</li> <li>Explaining How and Why</li> <li>Focus is on applying skills concepts, and relationships (cause and effect, comparisons)</li> <li>Students make real-world applications and connections to other content areas.</li> <li>Complex and abstract thinking is required.</li> <li>Students should be able to provide support for reasoning and inquiry based learning.</li> </ul>	<ul style="list-style-type: none"> <li>6th and 7th grade Georgia Standards of Excellence</li> <li>MCS Gifted Standards</li> </ul>