Alabama Course of Study Correlations for the Alabama 4-H Science School - Updated January 2015

Courses	Out on a Limb	Herpetology	What's Buggin' You	Friends of a Feather	Lake Living	Something's Fishy	Lost and Found	Get your Bearings	Team Navigation	Survivor	Alabama's Living History	Canoeing	Team Initiatives	Climbing Wall	Clover Hop	Night Hike	Campfire	Raptor Trek	Astronomy	People Pondering Puzzles	Dutch Auction	Waste Not
AL Course of Study - 4th Grade: The student will…																						
SCIENCE																						
Make observations to provide evidence that energy can be transferred from place to place by sound, light,heat and electric currents	X	X	X	X	X	X				X						X			X			
Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction	X	X	X	X	X	X				X						X		X				
Use a model to describe that animals receive different types of information through their senses and process the information in their brain and respond to the information in different ways		X	X	X	X	X										X		X				
Analyze and interpret data from maps to describe patterns of Earth's features							X		X													
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PHYSICAL EDUCATION																						
Demonstrate mature form of all nonlocomotor skills, including twisting, turning, leaning, stretching, curling, bending, swinging, balancing, and transferring of weight.	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	
Recognize the attributes that individuals bring to group activities.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Collaborate with a partner or small group for a common purpose.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Apply specific rules, strategies, and etiquette to activities with minimal reminders.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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SOCIAL STUDIES																						
Identify historical and current economic, political, and geographic information about Alabama on thematic maps.					X	X	X	X	X	X	X										X	
Describe the relationship of the five geographic regions of Alabama to the movement of Alabama settlers during the early nineteenth century.						X					X	X									X	
a. Describing natural resources of Alabama.	X	X	X	X	X	X	X	X		X	X					X	X	X	X		X	X
b. Describing the natural environment of Alabama	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X		X	
c. Describing human environments created by settlement				X	X	X	X	X		X	X	X				X	X				X	
Identify cultural, economic, and political aspects of the lifestyles of early nineteenth-century farmers, plantation owners, slaves, and townspeople.	X			X		X				X	X	X									X	
Describe the impact of population growth on cities, major road systems, demographics, natural resources, and the natural environment of Alabama during the twentieth century.	X	X	X	X	X	X					X	X				X	X	X	X			X

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LANGUAGE ARTS																						
Engage effectively in a range of collaborative discussions with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace	X									X			X								X	
Demonstrate command of the conventions of standard English capitalization, punctuation and spelling when writing											X											
Use knowledge of language and its conventions when writing, speaking, reading or listening	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
Demonstrate understanding of figurative language, word relationships and nuances in worrd meanings	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Demonstrate command of the conventions of standard English grammar and usage when writing or speaking	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
MATH																						
Use the four operations with whole numbers to solve problems	X				X			X														X
Extend understanding of fraction equivalence and ordering	X																					X
Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers	X			X																		X
Geometric measurement: understand concepts of angle and measure angles	X							X														
Draw and identify lines and angles, and classify shapes by properties of their lines and angles	X							X	X											X		
Represent and interpret data	X		X	X	X	X			X													
Understand concepts of angle and measure angles	X								X													
Use place value understanding and properties of operations to perform multi digit arithmetic	X			X																		