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correlated to

**Alabama Course of Study for Zoology
Grades 9-12**

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OBJECTIVES	PAGE REFERENCES
1. Define basic anatomical terminology associated with the study of animals.	SE: 117, 131, 132, 141, 143, 151, 153, 154, 159, 161, 167, 169, 170, 171, 172, 176, 177, 183, 187, 193, 194, 208, 220, 222, 228, 231, 239, 258, 288, 301, 303, 315, 331, 352, 369, 417, 420, 421, 431, 432, 456, 481 TWE: 117, 131, 132, 141, 143, 151, 153, 154, 159, 161, 167, 169, 170, 171, 172, 176, 177, 183, 187, 193, 194, 208, 220, 222, 228, 231, 239, 258, 288, 301, 303, 315, 331, 352, 369, 417, 420, 421, 431, 432, 456, 481
2. Distinguish among the acoelomate, pseudocoelomate, and coelomate body plans.	SE: 106, 107, 165, 166 TWE: 106, 107, 165, 166
3. Identify the body symmetry of animals as radial, bilateral, or asymmetrical.	SE: 103, 104, 105 TWE: 103, 104, 105
4. Use taxonomic groupings to differentiate the structure and physiology of invertebrates with dichotomous keys. (AHSGE Standard III: 1, 2)	
• Identifying examples and characteristics of Porifera	SE: 128, 129, 130, 131, 132, 133, 134 TWE: 128, 129, 130, 131, 132, 133, 134
• Identifying examples and characteristics of Cnidaria	SE: 134, 135, 136, 137, 138, 139, 140, 141, 142, 143 TWE: 134, 135, 136, 137, 138, 139, 140, 141, 142, 143

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OBJECTIVES	PAGE REFERENCES
<ul style="list-style-type: none"> • Identifying examples and characteristics of Mollusca 	SE: 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196 TWE: 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196
<ul style="list-style-type: none"> • Identifying examples and characteristics of worms, including Platyhelminthes, Nematoda, and Annelida 	SE: 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 169, 170, 171, 172, 173, 174, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211 TWE: 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 169, 170, 171, 172, 173, 174, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211
<ul style="list-style-type: none"> • Identifying examples, characteristics, and life cycles of Arthropoda 	SE: 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231 TWE: 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231
<ul style="list-style-type: none"> • Identifying examples and characteristics of Echinodermata 	SE: 251, 252, 253, 254, 255, 256, 258, 259, 260, 261, 262, 263 TWE: 251, 252, 253, 254, 255, 256, 258, 259, 260, 261, 262, 263

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5. Use taxonomic groupings to differentiate structure and physiology of vertebrates with dichotomous keys. (AHSGE Standard III: 1, 2)	
<ul style="list-style-type: none"> • Identifying examples and characteristics of the three classes of fish 	SE: 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293 TWE: 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293
<ul style="list-style-type: none"> • Identifying examples and characteristics of Amphibia 	SE: 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310 TWE: 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310
<ul style="list-style-type: none"> • Identifying examples and characteristics of Reptilia 	SE: 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324 TWE: 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324
<ul style="list-style-type: none"> • Identifying examples and characteristics of Aves 	SE: 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340 TWE: 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340
<ul style="list-style-type: none"> • Identifying examples and characteristics of Mammalia 	SE: 342, 343, 344, 345, 346, 347, 348, 349, 350, 352, 353, 354, 355, 356, 357, 358 TWE: 342, 343, 344, 345, 346, 347, 348, 349, 350, 352, 353, 354, 355, 356, 357, 358

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6. Identify factors used to distinguish species, including behavioral differences and reproductive isolation.	SE: 73, 74, 75, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 112, 113 TWE: 73, 74, 75, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 112, 113
7. Explain how species adapt to changing environments to enhance survival and reproductive success, including changes in structure, behavior, or physiology.	SE: 81, 82, 83, 84, 85 TWE: 81, 82, 83, 84, 85
8. Differentiate among organisms that are threatened, endangered, and extinct.	
• Identifying causative factors of decreasing population size	SE: 87, 88, 89, 90, 91, 92 TWE: 87, 88, 89, 90, 91, 92
9. Analyze a field study of animal behavior patterns to determine the relationship of these patterns to an animal's niche.	SE: 86 TWE: 86

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