










ALABAMA GRADES 9-12 STANDARDS CROSSWALK

	<p>ELA (grades 9-12)</p>	<p>Social Studies see government and economics</p>	<p>Math</p>	<p>Science and Technology</p>	<p>Digital Literacy and Computer Science (grades (9-12) AL standards</p>	<p>Career Preparedness see CTE standards</p>
<p>What is a drone?</p> 	<p>0-12 and 9, 10.11, 12 mean all 4 grades ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.CL,A.E ELA21.9-12.7 ELA21.9-12.8 ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.14 ELA21.9-12.15 ELA21.9-12.LL.A ELA21.9-12.19 ELA21.9-12.20 ELA21.9-12.RL.A ELA21.9-12.22 ELA21.9-12.23 ELA21.9-12.24 ELA21.9-12.25 ELA21.9-12.26 ELA21.9-12.27</p>	<p>SS10. WH.17.1 SS10.US2.5.3 SS10.CWI.4 SS10.CWI.6</p>			<p>DLCS18.HS.R1 DLCS18.HS.R2 DLCS18.HS.R3 DLCS18.HS.R5 DLCS18.HS.R6 DLCS18.HS.R11 DLCS18.HS.25 DLCS18.HS.26</p>	
<p>History of Drones</p> 	<p>ELA21.9,10,11,12.R1 ELA21.9,10,11,12.R 3 ELA21.9,10,11,12.R 4 ELA21.9,10,11,12.R 6 ELA21.9,10,11,12.R 7 ELA21.9-12.7 ELA21.9-12.8 ELA21.9-12.7 ELA21.9-12.CL,A. E ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.15 ELA21.9-12.LL.A</p>					

	<p>ELA21.9-12.19 ELA21.9-12.20 ELA21.9-12.RLA ELA21.9-12.22 ELA21.9-12.25 ELA21.9-12.27</p>				
<p>How Drones Fly?</p> 	<p>ELA21.9,10,11,12.R 4 ELA21.9,10,11,12.R 6 ELA21.9,10,11,12.R 7 ELA21.9-12.7 ELA21.9-12.9b ELA21.9-12.DL ELA21.9-12.LL.A ELA21.9-12.19 ELA21.9-12.22 ELA21.9-12.23 ELA21.9-12.24 ELA21.9-12.25 ELA21.9-12.26 ELA21.9-12.27</p>			<p>SC15.ESS.4 SC15.ESS.6 SC15.ESS.8 SC15.PHY.S.2 SC15.PHY.S.3 SC15.PHY.S.4</p>	
<p>Aerial Drone</p> 	<p>ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.7 ELA21.9-12.CL,A.E ELA21.9-12.8 ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.12 ELA21.9-12.15 ELA21.9-12.LL.A ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.7 ELA21.9-12.CL,A.E ELA21.9-12.8 ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.12 ELA21.9-12.15 ELA21.9-12.20 ELA21.9-12.RLA ELA21.9-12.21</p>	<p>none</p>	<p>SC15.PHY.S.3 SC15.PHY.S.4</p>	<p>DLCS18.HS.R1 DLCS18.HS.R2 DLCS18.HS.R3 DLCS18.HS.R5 DLCS18.HS.R6 DLCS18.HS.R11 DLCS18.HS.25 DLCS18.HS.26 DLCS18.HS.27</p>	

	<p>ELA21.9-12.22 ELA21.9-12.23 ELA21.9-12.24 ELA21.9-12.25 ELA21.9-12.26 ELA21.9-12.27</p>				
<p>Applications of Drones</p> 	<p>ELA.9,10,11,12,R.1 ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.7 ELA21.9-12.CL,A.E ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.14 ELA21.9-12.15 ELA21.9-12.LL.A ELA21.9-12.19 ELA21.9-12.20 ELA21.9-12.RL.A ELA21.9-12.22 ELA21.9-12.24 ELA21.9-12.25 ELA21.9-12.27</p>	<p>SS10.CWI.4 SS10.CWI.6 SS10.E.7</p>		<p>DLCS18.HS.R1 DLCS18.HS.R2 DLCS18.HS.R3 DLCS18.HS.R5 DLCS18.HS.R6 DLCS18.HS.R11 DLCS18.HS.21 DLCS18.HS.22 DLCS18.HS.25 DLCS18.HS.26 DLCS18.HS.27</p>	
<p>Careers in Uncrewed Systems</p> 	<p>ELA21.9,10,11,12.R1 ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.7 ELA21.9-12.8 ELA21.9-12.CL,A.E ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.14 ELA21.9-12.15 ELA21.9-12.LL.A ELA21.9-12.19 ELA21.9-12.20 ELA21.9-12.22 ELA21.9-12.23 ELA21.9-12.24 ELA21.9-12.25 ELA21.9-12.27</p>	<p>SS10.WH.17.1 SS10.US2.5.3 SS.E.3.3 SS.E.4.1 SS.E.5.2 SS.E.7</p>		<p>DLCS18.HS.R1 DLCS18.HS.R2 DLCS18.HS.R3 DLCS18.HS.R5 DLCS18.HS.R6 DLCS18.HS.R11 DLCS18.HS.21 DLCS18.HS.22 DLCS18.HS.25 DLCS18.HS.26 DLCS18.HS.27</p>	



<p>Drone Safety and Regulations</p> 	<p>ELA21.9,10,11,12.R1 ELA21.9,10,11,12.R3 ELA21.9,10,11,12.R4 ELA21.9,10,11,12.R6 ELA21.9,10,11,12.R7 ELA21.9-12.8 ELA21.9-12.CL,A,E ELA21.9-12.9 ELA21.9-12.9b ELA21.9-12.10 ELA21.9-12.11 ELA21.9-12.DL ELA21.9-12.DL.A ELA21.9-12.14 ELA21.9-12.15 ELA21.9-12.LL.A ELA21.9-12.19 ELA21.9-12.20 ELA21.9-12.RL.A ELA21.9-12.24 ELA21.9-12.27</p>	<p>SS10.WH.17.1 SS10.E.4.1</p>		<p>DLCS18.HS.R1 DLCS18.HS.R2 DLCS18.HS.R3 DLCS18.HS.R5 DLCS18.HS.R6 DLCS18.HS.R11 DLCS18.HS.16 DLCS18.HS.21 DLCS18.HS.22 DLCS18.HS.25 DLCS18.HS.26 DLCS18.HS.27</p>		
<p>Obtain your FAA TRUST Certificate</p> 					<p>none</p>	

SOCIAL STUDIES

SS10.WH.17.1

Discussing problems and opportunities involving science, technology, and the environment in the late twentieth century

SS10.US2.5.3

Determining the relationship between technological innovations and the creation of increased leisure time

SS10.E.3.3

Evaluating how each type of system addresses private ownership, profit motive, consumer sovereignty, competition, and government regulation

SS10.E.4.1

Explaining how government regulation and deregulation policies affect consumers and producers

SS10.E.5.2

Describing how investments in factories, equipment, education, new technology, training, and health improve economic growth and living standards

SS10.E.7

Describe the organization and role of business

SS10.CWI.4

Analyze scientific and technological changes for their impact on the United States and the world.

SS10.CWI.6

Compare information presented through various media, including television, newspapers, magazines, journals, and the Internet science

SC15.ESS.4

Apply mathematics and computational thinking in reference to Kepler’s laws, Newton’s laws of motion, and Newton’s gravitational laws to



predict the orbital motion of natural and man-made objects in the solar system.

SC15.ESS.6

Obtain and evaluate information about Copernicus, Galileo, Kepler, Newton, and Einstein to communicate how their findings challenged conventional thinking and allowed for academic advancements and space exploration

SC15.PS.8

Apply Newton's laws to predict the resulting motion of a system by constructing force diagrams that identify the external forces acting on the system, including friction (e.g., a book on a table, an object being pushed across a floor, an accelerating car).

SC15.PHYS.2

Identify external forces in a system and apply Newton's laws graphically by using models such as free-body diagrams to explain how the motion of an object is affected, ranging from simple to complex, and including circular motion.

ELA

ELA21.9-12.R1

Read a variety of print and nonprint documents to acquire new information and respond to the needs and demands of society and the workplace.

ELA21.9-12.R3

Utilize active listening skills in formal and informal conversations, following predetermined norms.

ELA21.9-12.R4

Use digital and electronic tools appropriately, safely, and ethically.

ELA21.9-12.R6

Employ conventions of grammar, mechanics, and usage in order to communicate effectively with a target audience.

ELA21.9-12.R7

Use context clues to determine meanings of unfamiliar spoken or written words.

ELA21.9-12.2

Analyze information from graphic texts to draw conclusions, defend claims, and make decisions.

ELA21.9-12.7

Read, analyze, and evaluate texts from science, social studies, and other academic disciplines to determine how those disciplines treat domain-specific vocabulary and content organization.

ELA21.9-12.8

Through active listening, evaluate tone, organization, content, and non-verbal cues to determine the purpose and credibility of a speaker.

ELA21.9-12.CL.A.E

Expression

ELA21.9-12.9

Compose both short and extended narrative, informative/explanatory, and argumentative writings that are clear and coherent, use an appropriate command of language, and demonstrate development,

SC15.PHYS.2a

Use mathematical computations to derive simple equations of motion for various systems using Newton's second law.

SC15.PHYS.2b

Use mathematical computations to explain the nature of forces (e.g., tension, friction, normal) related to Newton's second and third laws.

SC15.PHYS.3

Evaluate qualitatively and quantitatively the relationship between the force acting on an object, the time of interaction, and the change in momentum using the impulse-momentum theorem.

SC15.PHYS.4

Identify and analyze forces responsible for changes in rotational motion and develop an understanding of the effect of rotational inertia on the motion of a rotating object (e.g., merry-go-round, spinning toy, spinning figure skater, stellar collapse [supernova], rapidly spinning pulsar).
math–recheck

organization, style, and tone that are relevant to task, purpose, and audience.

ELA21.9-12.9b

Write explanations and expositions that incorporate evidence, using transitions and techniques that objectively introduce and develop topics

ELA21.9-12.10

Present research findings to a peer audience, either formally or informally, conveying credible, accurate information from multiple sources, including diverse media.

ELA21.9-12.11

Participate in collaborative discussions involving multiple perspectives, responding and contributing with relevant evidence and commentary.

ELA21.9-12.DL

Digital Literacy

ELA21.9-12.DL.A

Use technology, including the Internet, to research, analyze, produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information, people, and resources and to display information flexibly and dynamically.

ELA21.9-12.12

Interpret digital texts to determine their subject, occasion, audience, purpose, tone, and credibility.

ELA21.9-12.14

Create and edit digital texts that are suitable in purpose and tone for their intended audience and occasion.

ELA21.9-12.15

Create and deliver a collaborative presentation that is suitable in purpose and tone for its intended audience and occasion.

ELA21.9-12.LL.A



Recognize and demonstrate command of the conventions of standard English grammar, mechanics, and usage, including appropriate formality of language.

ELA21.9-12.19

Apply conventions of language to communicate effectively with a target audience, including punctuation; capitalization; spelling; verb, pronoun, and modifier usage; and effective sentence structure.

ELA21.9-12.20

Adapt speech to purpose and audience in a variety of contexts and tasks, demonstrating command of formal English conventions as indicated or appropriate.

ELA21.9-12.RL.A

Engage in inquiry through the research process to locate, acquire, refine, and present relevant and credible findings in multiple modes.

ELA21.9-12.21

Locate and determine the usefulness of relevant and credible information to answer a question, solve a problem, or defend a position.

ELA21.9-12.22

Use a variety of search tools and research strategies.

ELA21.9-12.23

Use audio sources to obtain useful and credible information to answer a question, solve a problem, or defend a position.

ELA21.9-12.24

Utilize responsible and ethical research practices to write clear, coherent products with a command of language suitable for a particular target audience and purpose.

ELA21.9-12.25

Integrate information from at least two sources into writing by quoting, paraphrasing, or summarizing and cite sources, following the rules of a particular style guide.

ELA21.9-12.26

Compose clear, coherent writing that incorporates information from at least one scholarly source and demonstrates a clear position on a topic, answers a research question, or presents a solution to a problem.

ELA21.9-12.27

Utilize responsible and ethical research practices to present clear, coherent products with a command of language suitable for a particular target audience and purpose.

CTE—need to revisit

Advanced Agriscience

CTE20.AFN.AA.FS.4

Demonstrate digital literacy by using digital and electronic tools appropriately, safely, and ethically.

CTE20.AFN.ABE.FS.4

Demonstrate digital literacy by using digital and electronic tools appropriately, safely, and ethically.

CTE20.AFN.ABE.FS.3

Explore the range of careers available in the field, investigate their educational requirements, and demonstrate job-seeking skills including resume-writing and interviewing.

CTE20.AFN.ACT.FS.3

Explore the range of careers available in the field, investigate their educational requirements, and demonstrate job-seeking skills including resume-writing and interviewing.

CTE20.AFN.ACT.FS.4

Demonstrate digital literacy by using digital and electronic tools appropriately, safely, and ethically