



Eric Evans' Lesson Plans for the Week of **Apr 15, 2018**

Mon, Apr 16 (Day B)	Tue, Apr 17 (Day A)	Wed, Apr 18 (Day B)	Thu, Apr 19 (Day A)	Fri, Apr 20 (Day B)
			Evans Out at FIRST Division I World Championship in Houston, TX	
<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 1 (8:00 AM - 8:50 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my existing knowledge of aerospace engineering I will demonstrate my research abilities to define key terms related to aerospace engineering <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review expectations for Pre-Test <ul style="list-style-type: none"> Mark as DONE in Classroom for grade Review expectations for Key Terms 	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 1 (8:00 AM - 8:50 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more that 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw 	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 1 (8:00 AM - 8:50 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more that 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw 	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 1 (8:00 AM - 8:50 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more that 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw 	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 1 (8:00 AM - 8:50 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more that 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw

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<ul style="list-style-type: none"> ◦ Locate assigned key term(s) and define them ◦ Do NOT define terms assigned to other people <ul style="list-style-type: none"> • Review expectations for Vocabulary Activity <ul style="list-style-type: none"> ◦ Access Quizlet ◦ Mark as DONE in Classroom for grade <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> • Complete Unit 14 Pre-Test http://www.g-wlearning.com/technologyeducation/2852/ch14/pre.htm • Complete Unit 14 Key Terms Google Doc • Complete Unit 14 Quizlet Activity https://quizlet.com/280979598/pae-chapter-14-flash-cards/ <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> • Demonstrate Pitch, Roll, Yaw on Model Aircraft 	<p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> • Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> • Review Instructions Document <ul style="list-style-type: none"> ◦ Focus on units of measure ◦ Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> • Draw cut/fold lines on paper • Verify measurements • Have partner verify measurements • Re-verify your own measurements • Cut all parts. <p>Graded Items</p> <ul style="list-style-type: none"> • Daily Grades (50%) <ul style="list-style-type: none"> ◦ Complete Measured Parts <p><i>Standards/Expectations:</i></p>	<p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> • Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> • Review Instructions Document <ul style="list-style-type: none"> ◦ Focus on units of measure ◦ Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> • Draw cut/fold lines on paper • Verify measurements • Have partner verify measurements • Re-verify your own measurements • Cut all parts. <p>Graded Items</p> <ul style="list-style-type: none"> • Daily Grades (50%) <ul style="list-style-type: none"> ◦ Complete Measured Parts <p><i>Standards/Expectations:</i></p>	<p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> • Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> • Review Instructions Document <ul style="list-style-type: none"> ◦ Focus on units of measure ◦ Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> • Create Artistic Design on Various Parts <p>Graded Items</p> <ul style="list-style-type: none"> • Daily Grades (50%) <ul style="list-style-type: none"> ◦ Complete Artistic Parts <p><i>Standards/Expectations:</i></p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems</p>	<p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> • Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> • Review Instructions Document <ul style="list-style-type: none"> ◦ Focus on units of measure ◦ Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> • Assemble Air Skimmer per Instructions <p>Graded Items</p> <ul style="list-style-type: none"> • Daily Grades (50%) <ul style="list-style-type: none"> ◦ Complete Assembled Air Skimmer <p><i>Standards/Expectations:</i></p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p>

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<p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Build a P/R/Y Model <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Unit 14 Pre-Test Unit 14 Key Terms Unit 14 Vocabulary Activity in Quizlet Minor Grade (25%) <ul style="list-style-type: none"> P/R/Y Model <p>Standards/Expectations:</p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p>	<p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p>	<p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p>	<p>interact to achieve common goals</p>	<p>2d: describe how technological systems interact to achieve common goals</p>
<p>COMPUTER SCIENCE 2 (8:54 AM - 10:24 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my understanding of how to document game play of 	<p>COMPUTER SCIENCE 1 - SECTION 1 (8:54 AM - 10:24 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate mastery of recycling existing code to solve a given problem. 	<p>COMPUTER SCIENCE 2 (8:54 AM - 10:24 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my understanding of how to document game play of 	<p>COMPUTER SCIENCE 1 - SECTION 1 (8:54 AM - 10:24 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my readiness to take the AP Computer Science 	<p>COMPUTER SCIENCE 2 (8:54 AM - 10:24 AM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my understanding of algorithm development to solve the

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<p>the Cracker Barrel Peg Puzzle Game</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> None <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> None <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Explain Cracker Barrel Peg Puzzle Game <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Play Cracker Barrel Peg Puzzle Game <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Play Cracker Barrel Peg Puzzle Game and Document Moves <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Documentation of Moves <p><i>Standards/Expectations:</i></p>	<ul style="list-style-type: none"> I will demonstrate mastery of algorithm development involving random number generation. <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Review Number Guesser - Take 2 <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review Code from Number Guesser - Take 1 <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> None <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Discuss variables that will and will not be needed in "Take 2" of the code. <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Create Number Guesser - Take 2 <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Item(s) Quiz/Minor Grades (25%) 	<p>the Cracker Barrel Peg Puzzle Game</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> None <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> None <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Explain Cracker Barrel Peg Puzzle Game <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Play Cracker Barrel Peg Puzzle Game <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Play Cracker Barrel Peg Puzzle Game and Document Moves <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Documentation of Moves <p><i>Standards/Expectations:</i></p>	<p>Principles exam by completing a practice exam in-class.</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> None <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> None <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> None <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> None <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> AP CS-Principles Practice Exam <p>Graded Items</p> <ul style="list-style-type: none"> Test/Major Grades (25%) <ul style="list-style-type: none"> AP CS-Principles Practice Exam 	<p>Cracker Barrel Peg Puzzle Game</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> None <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review Recursive Algorithm for Tower of Hanoi <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> None <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> None <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Begin Algorithm Development <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Start Algorithm Development <p><i>Standards/Expectations:</i></p> <p>c.4.: Critical thinking, problem solving, and</p>

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<p>c.4.: Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to:</p> <p>c.4.F.: identify, trace, and appropriately use recursion in programming solutions, including algebraic computations;</p> <p>c.4.J.: compare and contrast search and sort algorithms, including linear, quadratic, and recursive strategies, for time/space efficiency;</p>	<ul style="list-style-type: none"> ◦ Item(s) • Test/Major Grades (25%) <ul style="list-style-type: none"> ◦ Item(s) <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>Standards/Expectations:</p> <p>c.K.W.: generate and use random numbers.</p> </div>	<p>c.4.: Critical thinking, problem solving, and decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to:</p> <p>c.4.F.: identify, trace, and appropriately use recursion in programming solutions, including algebraic computations;</p> <p>c.4.J.: compare and contrast search and sort algorithms, including linear, quadratic, and recursive strategies, for time/space efficiency;</p>		<p>decision making. The student uses appropriate strategies to analyze problems and design algorithms. The student is expected to:</p> <p>c.4.F.: identify, trace, and appropriately use recursion in programming solutions, including algebraic computations;</p> <p>c.4.J.: compare and contrast search and sort algorithms, including linear, quadratic, and recursive strategies, for time/space efficiency;</p>
<p>ROBOTICS I & II - SECTION 2 (10:28 AM - 12:02 PM)</p> <p>Engineering Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Programming Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Community Engagement Team</p>	<p>ROBOTICS I & II - SECTION 1 (10:28 AM - 12:02 PM)</p> <p>Engineering Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Programming Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Community Engagement Team</p>	<p>ROBOTICS I & II - SECTION 2 (10:28 AM - 12:02 PM)</p> <p>Engineering Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Programming Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Community Engagement Team</p>	<p>ROBOTICS I & II - SECTION 1 (10:28 AM - 12:02 PM)</p> <p>Engineering Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Programming Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Community Engagement Team</p>	<p>ROBOTICS I & II - SECTION 2 (10:28 AM - 12:02 PM)</p> <p>Engineering Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Programming Team</p> <ul style="list-style-type: none"> • Work Punchlist <p>Community Engagement Team</p>

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<ul style="list-style-type: none"> Develop Hospitality Team and Plan <p>Standards/Expectations:</p> <p>c3: The student participates in team projects in various roles. The student is expected to:</p> <p>c3A: explain the importance of teamwork in the field of robotics;</p> <p>c3B: apply principles of effective problem solving in teams to collaboration and conflict resolution; and</p> <p>c3C: demonstrate proper attitudes as a team leader and team member.</p> <p>c1D: recognize the principles of teamwork related to engineering and technology;</p> <p>c3: The student learns and contributes productively as an individual and as a member of a project team. The student is expected to:</p>	<ul style="list-style-type: none"> Develop Hospitality Team and Plan <p>Standards/Expectations:</p> <p>c3: The student participates in team projects in various roles. The student is expected to:</p> <p>c3A: explain the importance of teamwork in the field of robotics;</p> <p>c3B: apply principles of effective problem solving in teams to collaboration and conflict resolution; and</p> <p>c3C: demonstrate proper attitudes as a team leader and team member.</p> <p>c1D: recognize the principles of teamwork related to engineering and technology;</p> <p>c3: The student learns and contributes productively as an individual and as a member of a project team. The student is expected to:</p>	<ul style="list-style-type: none"> Develop Hospitality Team and Plan <p>Standards/Expectations:</p> <p>c3: The student participates in team projects in various roles. The student is expected to:</p> <p>c3A: explain the importance of teamwork in the field of robotics;</p> <p>c3B: apply principles of effective problem solving in teams to collaboration and conflict resolution; and</p> <p>c3C: demonstrate proper attitudes as a team leader and team member.</p> <p>c1D: recognize the principles of teamwork related to engineering and technology;</p> <p>c3: The student learns and contributes productively as an individual and as a member of a project team. The student is expected to:</p>	<ul style="list-style-type: none"> Develop Hospitality Team and Plan <p>Standards/Expectations:</p> <p>c3: The student participates in team projects in various roles. The student is expected to:</p> <p>c3A: explain the importance of teamwork in the field of robotics;</p> <p>c3B: apply principles of effective problem solving in teams to collaboration and conflict resolution; and</p> <p>c3C: demonstrate proper attitudes as a team leader and team member.</p> <p>c1D: recognize the principles of teamwork related to engineering and technology;</p> <p>c3: The student learns and contributes productively as an individual and as a member of a project team. The student is expected to:</p>	<ul style="list-style-type: none"> Develop Hospitality Team and Plan <p>Standards/Expectations:</p> <p>c3: The student participates in team projects in various roles. The student is expected to:</p> <p>c3A: explain the importance of teamwork in the field of robotics;</p> <p>c3B: apply principles of effective problem solving in teams to collaboration and conflict resolution; and</p> <p>c3C: demonstrate proper attitudes as a team leader and team member.</p> <p>c1D: recognize the principles of teamwork related to engineering and technology;</p> <p>c3: The student learns and contributes productively as an individual and as a member of a project team. The student is expected to:</p>

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<p>c3A: demonstrate an understanding of and discuss how teams function;</p> <p>c3B: apply teamwork to solve problems;</p> <p>c3C: follow directions and decisions of responsible individuals of the project team;</p> <p>c3D: participate in establishing team procedures and team norms; and</p>	<p>c3A: demonstrate an understanding of and discuss how teams function;</p> <p>c3B: apply teamwork to solve problems;</p> <p>c3C: follow directions and decisions of responsible individuals of the project team;</p> <p>c3D: participate in establishing team procedures and team norms; and</p>	<p>c3A: demonstrate an understanding of and discuss how teams function;</p> <p>c3B: apply teamwork to solve problems;</p> <p>c3C: follow directions and decisions of responsible individuals of the project team;</p> <p>c3D: participate in establishing team procedures and team norms; and</p>	<p>c3A: demonstrate an understanding of and discuss how teams function;</p> <p>c3B: apply teamwork to solve problems;</p> <p>c3C: follow directions and decisions of responsible individuals of the project team;</p> <p>c3D: participate in establishing team procedures and team norms; and</p>	<p>c3A: demonstrate an understanding of and discuss how teams function;</p> <p>c3B: apply teamwork to solve problems;</p> <p>c3C: follow directions and decisions of responsible individuals of the project team;</p> <p>c3D: participate in establishing team procedures and team norms; and</p>
<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 2 (2:40 PM - 3:30 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my existing knowledge of aerospace engineering I will demonstrate my research abilities to define key terms related to aerospace engineering <p>Warm-Up Assignment:</p>	<p>COMPUTER SCIENCE 1 - SECTION 2 (1:06 PM - 2:36 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate mastery of recycling existing code to solve a given problem. I will demonstrate mastery of algorithm development involving random number generation. <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Review Number Guesser - Take 2 	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 2 (2:40 PM - 3:30 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with 	<p>COMPUTER SCIENCE 1 - SECTION 2 (1:06 PM - 2:36 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will demonstrate my readiness to take the AP Computer Science Principles exam by completing a practice exam in-class. <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> None <p>Review of Prior Knowledge:</p>	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 2 (2:40 PM - 3:30 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer I will demonstrate mastery of reading exact measurements I will demonstrate mastery of cutting materials to exact measurements with

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<ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review expectations for Pre-Test <ul style="list-style-type: none"> Mark as DONE in Classroom for grade Review expectations for Key Terms <ul style="list-style-type: none"> Locate assigned key term(s) and define them Do NOT define terms assigned to other people Review expectations for Vocabulary Activity <ul style="list-style-type: none"> Access Quizlet Mark as DONE in Classroom for grade <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Complete Unit 14 Pre-Test http://www.g-wlearning.com/technologyeducation/2852/ch14/pre.htm 	<p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review Code from Number Guesser - Take 1 <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> None <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Discuss variables that will and will not be needed in "Take 2" of the code. <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Create Number Guesser - Take 2 <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Item(s) Quiz/Minor Grades (25%) <ul style="list-style-type: none"> Item(s) Test/Major Grades (25%) <ul style="list-style-type: none"> Item(s) <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>Standards/Expectations:</p> <p>c.K.W.: generate and use random numbers.</p> </div>	<p>an acceptable error of no more that 1/16 of an inch</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Review Instructions Document <ul style="list-style-type: none"> Focus on units of measure Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Draw cut/fold lines on paper Verify measurements Have partner verify measurements 	<ul style="list-style-type: none"> None <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> None <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> None <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> AP CS-Principles Practice Exam <p>Graded Items</p> <ul style="list-style-type: none"> Test/Major Grades (25%) <ul style="list-style-type: none"> AP CS-Principles Practice Exam 	<p>an acceptable error of no more that 1/16 of an inch</p> <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> Login to Computer or Chromebook <p>Review of Prior Knowledge:</p> <ul style="list-style-type: none"> Review pitch, roll, and yaw <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Review Instructions Document <ul style="list-style-type: none"> Focus on units of measure Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Assemble Air Skimmer per Instructions <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%)

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<ul style="list-style-type: none"> Complete Unit 14 Key Terms Google Doc Complete Unit 14 Quizlet Activity https://quizlet.com/280979598/pae-chapter-14-flash-cards/ <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Demonstrate Pitch, Roll, Yaw on Model Aircraft <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Build a P/R/Y Model <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Unit 14 Pre-Test Unit 14 Key Terms Unit 14 Vocabulary Activity in Quizlet Minor Grade (25%) <ul style="list-style-type: none"> P/R/Y Model <div data-bbox="117 1235 453 1479" style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Standards/Expectations:</p> <p>2: The student investigates the components of engineering and</p> </div>		<ul style="list-style-type: none"> Re-verify your own measurements Cut all parts. <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Complete Measured Parts <div data-bbox="879 553 1218 1029" style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Standards/Expectations:</p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p> </div>		<ul style="list-style-type: none"> Complete Assembled Air Skimmer <div data-bbox="1644 313 1980 789" style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Standards/Expectations:</p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p> </div>

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<p>technology systems. The student is expected to:</p> <p>2d: describe how technological systems interact to achieve common goals</p>				
	<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 2 (2:40 PM - 3:30 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> • I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer • I will demonstrate mastery of reading exact measurements • I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more than 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> • Login to Computer or Chromebook <p>Review of Prior Knowledge:</p>		<p>PRINCIPLES OF APPLIED ENGINEERING - SECTION 2 (2:40 PM - 3:30 PM)</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> • I will apply my knowledge of basic principles of pitch, roll, and yaw in designing an air skimmer • I will demonstrate mastery of reading exact measurements • I will demonstrate mastery of cutting materials to exact measurements with an acceptable error of no more than 1/16 of an inch <p>Warm-Up Assignment:</p> <ul style="list-style-type: none"> • Login to Computer or Chromebook <p>Review of Prior Knowledge:</p>	

Mon, Apr 16 (Day B)	Tue, Apr 17 (Day A)	Wed, Apr 18 (Day B)	Thu, Apr 19 (Day A)	Fri, Apr 20 (Day B)
	<ul style="list-style-type: none"> Review pitch, roll, and yaw <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Review Instructions Document <ul style="list-style-type: none"> Focus on units of measure Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Draw cut/fold lines on paper Verify measurements Have partner verify measurements Re-verify your own measurements Cut all parts. <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Complete Measured Parts 		<ul style="list-style-type: none"> Review pitch, roll, and yaw <p>Introduction to New Material: (I Do)</p> <ul style="list-style-type: none"> Demonstrate a Complete Model of an Air Skimmer <p>Guided Practice: (We Do)</p> <ul style="list-style-type: none"> Review Instructions Document <ul style="list-style-type: none"> Focus on units of measure Focus on meaning of various lines (solid vs dashed) <p>Independent Practice: (You Do)</p> <ul style="list-style-type: none"> Create Artistic Design on Various Parts <p>Graded Items</p> <ul style="list-style-type: none"> Daily Grades (50%) <ul style="list-style-type: none"> Complete Artistic Parts <div data-bbox="1262 1182 1600 1495" style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;"> <p>Standards/Expectations:</p> <p>2: The student investigates the components of engineering and technology systems. The student is expected to:</p> </div>	

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