

**BOULDER CREEK HIGH SCHOOL  
CAREER ACADEMIES INTEGRATED ACADEMIC LESSON PLAN IDEAS**

	<b>Audio/Visual Technology</b>	<b>Marketing, Management &amp; Entrepreneurship</b>	<b>Graphic Communications</b>
<b>Academic Area</b>	Social Studies – World History 10 <sup>th</sup> Grade	Environmental Science 9-12 <sup>th</sup> Grade	Yearbook / Journalism 9-12 <sup>th</sup> Grade
<b>Topic</b>	World War II	Green Marketing	Design Principles
<b>Input</b>	1. Research the causes of WWII 2. Research the effects of WWII	Science: 1. Analyze decomposition rates of different types of packaging Marketing: 1. Analyze results of the decomposition lab to promote green packaging	1. Define design principles 2. With list of resources provided, examine logos and apply the design principles to the logo 3. Present findings
<b>Outcome</b>	Social studies students serve as consultants to the media students who will create media that incorporates results of research.	Science students: data relating to decomposition rates of various packaging Marketing: determine most appropriate packaging materials for products.	Apply the design principles to the logo and present findings
<b>Contact</b>	Carolyn Hoffman 623-445-8779	Michelle Coots 623-445-8722	Andrew Jordan 623-445-8802

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	<b>Culinary Arts</b>	<b>Early Childhood Education</b>	<b>Information Technology</b>
<b>Academic Area</b>	Chemistry / Biology 9 <sup>th</sup> -12 <sup>th</sup> Grade	Psychology 101 9 <sup>th</sup> -12 <sup>th</sup> Grade	All Areas 9 <sup>th</sup> -12 <sup>th</sup> Grade
<b>Topic</b>	Pretzels (Fermentation)	Cognitive Development	Integrating academics into games
<b>Input</b>	Demonstrate chemical reactions of yeast and chemical change of cooking pretzels, all part of the fermentation process Contrast the scientific vocabulary of fermentation with the vocabulary of culinary arts (yeast vs. fermentation)	Psych teacher presents to ECE students: Stages of cognitive development by Piaget Simulation project (PsychSim5) Psych students go to Preschool to observe cognitive development, ECE teacher demonstrates conservationism	Playing games, designing games
<b>Outcome</b>	Demonstrate how yeast creates a chemical change in the making of a pretzel	ECE Students: 6 traits writing summarize Piaget PSYCH Students: Plot data from observation Statistics and interpretation of data from conservationism lesson	Analyzing the academic content of games. Synthesis of what academic principle was learned through game simulation
<b>Contact</b>	Terri Roberts 623-445-8793	Jessica Brubaker 623-445-8733	Andrew Jordan 623-445-8802