Unit Quarter: <u>3rd</u>   Title: <u>Moon Pie 100th Anniversary Commemorative Container</u>
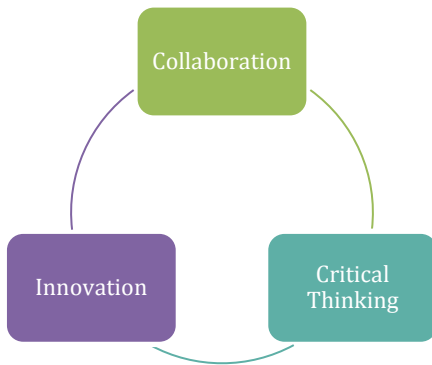
Learning Target Topics

Collaboration

Innovation

Critical Thinking

Collaboration: Working with other people on a project or problem to achieve a shared goal.

Creative Thinking: Accessing, using, and applying information and knowledge.

Innovation: Using creative thinking to construct something new and valuable.

Grade Level	11th Grade	Unit Length	9 Weeks
Industry Partner	- Mark Smith, Tim Harris, Stokes Smith, David Chapman, Southern Champion Tray - Tory Johnston, Chattanooga Bakery		
Unit Overview	STEM student teams will design and fabricate a special container for Moon Pies to commemorate their 100th year anniversary. For the school partner, the focus is on the creation of a special container that promotes Moon Pies with both functional and marketing aspects. For the STEM School, the focus is on the innovation skills demonstrated by the student teams.		
Unit Essential Issue	**Project**: *Design and fabricate a special Moon Pie 100th anniversary commemorative container.*		
Kick Off Event	**Kick Off: January 12th** Mark Smith will discuss the design and development of paper trays for the consumable food and restaurant industries. Tory Johnston will explain the goal for this project to commemorate the 100th anniversary of Moon Pies. The design team at Southern Champion Tray will lead a brainstorming session to develop initial ideas. The students will receive a tour of the Southern Champion Tray facility.		
Culminating Events	**Presentation Day: TBD (March 14th-18th)** The student teams will present their prototypes for Moon Pie containers to the project sponsors. The project sponsors will evaluate the designs and provide constructive feedback to the teams.		
Common Assessment	Students will be scored using the Association of American Colleges and Universities rubric for Creative Thinking Skills. All 4's will equate to Advanced, scores of 3 and 4 will equate to Proficient, and any scores below a 3 will equate to Below Basic. Items that will be used to score student work: - Assignments (Plans, Weekly Prototype Reports, Design Process Work Products, etc.) - Presentation - Functioning Prototype		