## Food Innovations- MINNESOTA RUBRICS

**Food Innovations**, an *individual* or *team event*, recognizes participants who demonstrate knowledge of the basic concepts of food product development by creating an original *prototype formula*, testing the product through *focus groups*, and developing a marketing strategy. Participants will demonstrate their knowledge of food science, nutrition, food preparation safety, and product marketing. Participants must prepare a ***display***, suggested **product packaging**, and an **oral presentation**.

EVENT CATEGORIES

**Junior:** through grade 9

**Senior:** grades 10–12

**Occupational:** grades 10–12

See page 84 for more information on event categories.

2016–2017 COMPETITION TOPICS

All Food Innovations projects must be based on the correct topic as indicated below.

Junior Category

Incorporate vegetable puree (at least ½ cup prior to puree) into any breakfast item which would appeal to families with children between the ages of 2 and 15.

**Senior Category**

Develop a post-workout snack item which includes a minimum of 10 g of high quality protein per serving. The protein must have a rating of 1.5 or higher on the Protein Efficiency Ratio chart found at <http://goo.gl/i67Zk3>.

Occupational Category

Develop an entrée to be served in a commercial setting (restaurant, cafeteria, etc.), and then reformulate the item to reflect a 25% sodium reduction. For more information on the FDA Voluntary Sodium Reduction goals, visit <http://goo.gl/YRwsqJ>.

*Topics developed in collaboration with Michelle Wright Consulting, LLC.*

PROCEDURES

**& TIME REQUIREMENTS**

1. At the designated participation time, participants will have 5 minutes to set up a *display*. Other persons may not assist.
2. The oral presentation **may be up to** 10 minutes in length. A one-minute warning will be given at 9 minutes. Participant(s) will be stopped at 10 minutes.
3. If audio or audiovisual recordings are used, they are limited to a 3 minute playing time during the presentation. *Presentation equipment*, with no audio, may be used during the entire presentation.

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| **GENERAL INFORMATION** | | | | | | | | |
| **Individual or Team Event** | **Prepare Ahead of Time** | **Equipment Provided** | **Electrical Access** | **Participant Set Up / Prep Time** | **Room Consultant & Evaluator Review Time** | **Maximum Oral Presentation Time** | **Evaluation Interview Time** | **Total Event Time** |
| Individual or Team | Display, Product Packaging, Oral Presentation | Table or Freestanding Space | Not provided | 5 minutes | 5 minutes following interview | 1-minute warning at 9 minutes; stopped at 10 minutes | 5 minutes | 30 minutes |

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| **PRESENTATION ELEMENTS ALLOWED** | | | | | | | | | |
| **Audio** | **Costumes** | **Easel(s)** | **File Folder** | **Flip Chart(s)** | **Portfolio** | **Props/ Pointers** | **Skits** | **Presentation Equipment** | **Visuals** |
| ◼ | ◼ | ◼ |  |  |  | ◼ |  | ◼ | ◼ |

1. Following the presentation, evaluators will have 5 minutes to interview participant(s).
2. Following the interview, evaluators will have 5 minutes to review the *display*.
3. Evaluators will have up to 5 minutes to use the rubric to score and write comments for participants.

ELIGIBILITY &

**GENERAL INFORMATION**

1. Review “Eligibility and General Rules for All Levels of Competition” on page 87 prior to event planning and preparation.
2. A table or freestanding space will be provided. Participant(s) must bring all necessary supplies and/or equipment. Wall space will not be available.
3. Access to an electrical outlet will not be provided. Participants are encouraged to bring fully charged devices such as laptops, tablets, etc., to use for audiovisual presentation.
4. Items within the *display* may be used as in- hand *visuals* during the oral presentation, but must be returned within *display dimensions* when finished.
5. Participants are not allowed to provide food product samples to the evaluators.



**FOOD INNOVATIONS**

###### Specifications- Minnesota Rubric

Display

A *display* should be used to document and illustrate the work of one project, using clearly defined presentation surfaces.

The *display* may be either freestanding or tabletop. Freestanding *display*s should not exceed a space 48” deep by 60” wide by 72” high, including *audiovisual equipment*. Tabletop *displays* should not exceed a space 30” deep by 48” wide by 48” high, including any *audiovisual equipment*. Information or *props* outside the *display* will be considered part of the *display* and subject to penalty (tablecloths, storage items, boxes below the table, etc.). Each *display* must include the following elements:

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| *Project Identification Page* | One 8 ½” x 11” page on *plain paper*, with no *graphics* or decorations; must include participant’s name(s), chapter name, school, city, state, FCCLA national region, event name, and project title. |
| FCCLA *Planning Process*  Summary Page | One 8 ½“ x 11” summary page of how each step of the *Planning Process* was used to plan and implement the project; use of the *Planning Process* may also be described in the oral presentation. |
| Evidence of Online Project Summary Submission | Complete the online project summary form located on the STAR Events Resources page of the FCCLA national website and include proof of submission on the display. |
| Original *Prototype Formula(s)* | Present an original *prototype formula(s)* and the modified version(s) after each test and alteration, including the final formula(s). Changes from the previous version should be highlighted in each modified formula. The original *prototype formula(s)* must fit within the participants’ category of the national food product topic. The final formula(s) may be from any stage of development, sufficient evidence is given to support the choice of the final formula(s) as the best option for manufacturing. |
| Product Testing Method | Participants will test their formula in *focus groups* and modify it two times. *Focus groups* should follow the following guidelines:  Test #1—minimum five (5) individuals  Test #2—minimum ten (10) individuals, who are part of the intended consumer *audience(s)* of the product.  Display the method of evaluation for each stage of testing and include a sample of both negative and positive results from each stage. Selection of final product may occur at any stage of product testing. |
| Process Storyboard | Show pictures of the product at various stages of production and testing. |
| Nutrition Information | **Junior —**list of nutrients (no amounts needed) found in the product, exhaustive list of ingredients, allergy warnings, and consumption instructions, if needed.  **Senior and Occupational—**create a nutrition fact label for the product, following FDA guidelines, which includes the following items: serving size; amount per serving and % Daily Value of: total calories, fat calories, total fat, total carbohydrates, protein, sodium, and cholesterol; ingredients; allergy warnings; and consumption instructions. |
| Equipment, Safety, and Sanitation | Develop a list of equipment used and safety precautions taken to ensure a safe test kitchen and sanitary product. |
| Product Summary | Includes product name, target market, appeal of product to target *audience*. |
| Actual and Suggested Pricing | Determine the actual cost of producing one serving and one package of the product. Develop a suggested price for retailing the product. |
| Appearance | The *display* must be neat, legible, *professional* and use correct grammar and spelling. |

Food Innovations Specifications (continued)- Minnesota Rubric

Suggested Product Packaging

**Junior—**The suggested product packaging should be a 2-D rendition of the intended product container, either drawn by hand or with a digital program, displayed either on or in addition to the *display*.

**Senior and Occupational—**The suggested product packaging should be an actual size, 3-D *model* of the intended product container, in addition to the *display*.

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| Design Effectiveness | The drawing or *model* should exhibit creativity and innovation and the design should be effective in containing, shipping, and storing the product. Include a description of actual materials to be used in the suggested product packaging. |
| Marketability | **Junior—**The packaging should be appealing to the target *audience*. Minimum information required:   * Product Name * Ingredient List * Allergy Warning * Consumption Instructions   **Senior and Occupational—**The packaging should be appealing to the target *audience* and contain all of the appropriate information to be ready for sale. Minimum information required:   * Product Name * Nutrition Facts Label * Ingredient List * Allergy Warning * Consumption Instructions * Net Weight |
| Appearance | The drawing or *model* must be neat, legible, *professional*, and visually appealing. |

Oral Presentation

The oral presentation **may be up to** 10 minutes in length and is delivered to evaluators. The presentation should explain the specifics of the project. The presentation may not be prerecorded. If audio or *audiovisual equipment* is used, it is limited to 3 minute playing time during the presentation. *Presentation equipment*, with no audio, may be used throughout the oral presentation. Participants may use any combination of *props*, materials, supplies, and/or equipment to demonstrate how to carry out the project.

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| Organization/Delivery | Deliver oral presentation in an organized, sequential manner; concisely and thoroughly summarize project. |
| Explanation of Product Choice | Explain why the particular food was chosen and its appeal to both the participant and potential consumers. |
| Knowledge of Subject Matter | Demonstrate thorough knowledge of food science, dietetics, and nutrition. Discuss the area of Food Science which was most directly relevant in creating and testing the *prototype formula*. |
| Use of *Display* and *Visuals*  During Presentation | Use *display* and *visuals* to support, illustrate, or complement presentation. |
| Voice | Speak clearly with appropriate pitch, tempo, and volume. |
| Body Language/Clothing Choice | Use appropriate body language including gestures, posture, mannerisms, eye contact, and appropriate handling of notes or note cards if used. Wear appropriate clothing for the nature of the presentation. |
| Grammar/Word Usage/ Pronunciation | Use proper grammar, word usage, and pronunciation. |
| Responses to Evaluators’ Questions | Provide clear and concise answers to evaluators’ questions regarding project. Questions are asked after the presentation. |



###### STAR Events Point Summary Form

##### FOOD INNOVATIONS- MINNESOTA RUBRIC

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| --- | --- | --- | --- | --- |
| Name of Participant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| Chapter\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | State\_\_\_\_\_\_\_ | Team #\_\_\_\_\_\_\_\_\_ | Station #\_\_\_\_\_\_ | Category\_\_\_\_\_\_ |
|  |  |  |  |  |

**DIRECTIONS:**

* 1. Make sure all information at top is correct. If a student named is not participating, cross their name(s) off. If a team does not show, please write “No Show” across the top and return with other forms. Do **NOT** change team or station numbers.
  2. Before student presentation, the room consultants must check participants’ *display* using the criteria and standards listed below and fill in the boxes.
  3. At the conclusion of presentation, verify evaluator scores and fill in information below. Calculate the final score and ask for evaluators’ verification. Place this form in front of the completed rubrics and staple all items related to the presentation together.
  4. At the end of competition in the room, double check all scores, names, and team numbers to ensure accuracy. Sort results by team order and turn in to the Lead or Assistant Lead Consultant.
  5. Please check with the Lead or Assistant Lead Consultant if there are any questions regarding the evaluation process.

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| **ROOM CONSULTANT CHECK** | | | | | | | **Points** |
| **Registration**  0 *or* 3 points | Participants arrive at designated time for event. | | | | | |  |
| No **0** | | Yes **3** | | | |
| **Online Event Orientation Documentation**  0 *or* 2 points | **0**  Official documentation not provided at presentation time or signed by adviser | | **2**  Official documentation provided at presentation time and signed by adviser | | | |  |
| **Display Set-Up**  0-1 point | **0**  Participants did not set up their display within allotted time period | | **1**  Participants set up display during allotted time period | | | |  |
| **Display Dimensions**  0–1 point | **0**  Does not fit with the appropriate dimensions/objects not returned within display after presentation | | **1**  The display fits/objects returned within display after presentation | | | |  |
| **Project Identification Page**  0–1 point | **0**  Project ID page is missing or incomplete | | **1**  Project ID page is present and completed correctly | | | |  |
| **Project Summary Submission Proof**  0–1 point | **0**  Project Summary Submission missing | | **1**  Project Summary Submission present | | | |  |
| **Punctuality**  0–1 point | **0**  Participant was late for presentation | | **1**  Participant was on time for presentation | | | |  |
| **EVALUATORS’ SCORES** |  | | **ROOM CONSULTANT TOTAL** | | | |  |
| Evaluator 1\_\_\_\_\_\_\_\_\_\_ | Initials \_\_\_\_\_\_\_\_\_\_ | | (10 points possible) | | | |
| Evaluator 2\_\_\_\_\_\_\_\_\_\_ | Initials \_\_\_\_\_\_\_\_\_\_ | | **AVERAGE EVALUATOR SCORE** | | | | \_ \_ . \_ \_ |
| Evaluator 3\_\_\_\_\_\_\_\_\_\_ | Initials \_\_\_\_\_\_\_\_\_\_ | | (90 points possible) | | | |
| Total Score\_\_\_\_\_\_\_\_\_\_ | divided by number of evaluators | | **FINAL SCORE** | | | | \_ \_ . \_ \_ |
| \_\_\_\_\_\_\_\_\_\_ | **= AVERAGE EVALUATOR SCORE**  *Rounded only to the nearest hundredth (i.e. 79.99 not 80.00)* | | | | (Average Evaluator Score plus  Room Consultant Total) | |
| **MINNESOTA RUBRIC RATING ACHIEVED (circle one)** | | **Gold: 85-100** | | **Silver: 70-84.99** | | **Bronze: 1-69.99** | | |  |
| **VERIFICATION OF FINAL SCORE AND RATING** (please initial) | | | | | | |  |
| Evaluator 1\_\_\_\_\_\_\_\_\_\_ Evaluator 2\_\_\_\_\_\_\_\_\_\_ Evaluator 3\_\_\_\_\_\_\_\_\_\_ Adult Room Consultant\_\_\_\_\_\_\_\_\_\_ Event Lead Consultant\_\_\_\_\_\_\_\_\_\_ | | | | | | | |



##### FOOD INNOVATIONS

###### Rubric- Minnesota Rubric

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| Name of Participant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| Chapter\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | State\_\_\_\_\_\_\_ | Team #\_\_\_\_\_\_\_\_\_ | Station #\_\_\_\_\_\_ | Category\_\_\_\_\_\_ |

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| **DISPLAY** | | | | | | | | | | | | | | | | Points |
| **FCCLA**  **Planning Process Summary Page**  0–5 points | **0**  Planning Process summary not provided | | **1**  Inadequate steps in the Planning Process are presented | | | | **2**  All Planning Process steps are presented but not summarized | | **3**  All Planning Process steps are summarized | | **4**  Evidence that the Planning Process was utilized to plan project | | **5**  The Planning Process is used to plan the project. Each step is fully explained | | |  |
| **Original Prototype Formula(s)**  0-10 points | **0**  No prototype formula(s) provided/formula(s) do not fit within the current food product topic | | **1-2**  One or more versions of the prototype and final prototype presented and fit within the current food product topic | | | | **3-4**  Original, each modified version, and final prototype formula(s) are presented and fit within the current food product topic, but are written poorly | | **5-6**  Original, each modified version with the current formula(s) are well-written, fit the current food product topic, and track changes from previous versions | | **7-8**  Prototype formula(s) are well-written, fits within the current food product topic, and tracks changes. The final formula(s) meet product goals and represents an adequate understanding of scientific and culinary principles | | | | **9-10**  Prototype formula(s) are well-written, fits within the current food product topic, and tracks changes. The final formula(s) meet product goals and represents an extensive understanding of scientific and culinary principles |  |
| **Product Testing Method**  0-10 points | **0**  No evidence of product testing provided | | **1-2**  Product testing does not follow the specifications | | | | **3-4**  Product testing followed specifications but the chosen method was not appropriate for the focus group audience | | **5-6**  Product was tested twice according to specifications with an appropriate evaluation method for the focus group. Samples of the method and results are presented | | **7-8**  Product was tested twice according to specifications with an appropriate evaluation method for the focus group. Samples of the method and results are presented. Most feedback from testing is implemented | | | | **9-10**  Product was tested twice according to specifications with an appropriate evaluation method for the focus group. Samples of the method and results are presented in a professional manner. Most feedback from testing is well-implemented |  |
| **Process Storyboard**  0-2 points | **0**  No process storyboard presented | | | | | **1**  Limited photographs, confusing arrangements | | | | **2**  Appropriate number of photographs, arranged well to tell a story | | | | | |  |
| **Nutrition Information**  0-5 points | **0**  No nutrition information provided | **1**  Nutrition information does not meet specification requirements | | | | **2**  Nutrition information is complete (see specifications for requirements) but most of the information is incorrect | | **3**  Nutrition information is complete (see specifications for requirements) and the majority of the information is correct | | **4**  Nutrition information is complete (see specifications for requirements) correct. Demonstrates an appropriate level of knowledge for participant category | | | | **5**  Nutrition information is complete (see specifications for requirements) and correct. Demonstrates an advanced level of knowledge for participant category | |  |
| **Equipment, Safety and Sanitation**  0-3 points | **0**  No equipment list or safety and sanitation precautions | | | **1**  Both the equipment list is incomplete AND safety and sanitation precautions are inappropriate | | | | **2**  The equipment list is incomplete OR safety and sanitation precautions are inappropriate | | | | **3**  The equipment list is complete and safety and sanitation precautions are appropriate | | | |  |
| **Product Summary**  0-2 points | **0**  No product summary provided | | | | | **1**  Product summary is lacking information and/or is poorly written | | | | **2**  Product summary is thorough and well-written | | | | | |  |
| **Actual and Suggested Pricing**  0-3 points | **0**  No pricing information provided | | | | **1**  Actual cost of one serving and one package is missing or inaccurate AND suggested pricing is missing or inappropriate | | | **2**  Actual cost of one serving and one package is missing or inaccurate OR suggested pricing is missing or in appropriate | | | | **3**  Actual cost of one serving and one package is accurate; suggested pricing is appropriate | | | |  |
| **Appearance**  0-3 points | **0**  Display is illegible and unorganized | | | | **1**  Display is neat, but contains grammatical or spelling errors and is organized poorly | | | **2**  Display is neat, legible, and professional, with correct grammar and spelling | | | | **3**  Neat and professional, correct grammar and spelling used, effective organization | | | |  |

Food Innovations Rubric (continued) Minnesota Rubric

**Points**

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| **SUGGESTED PRODUCT PACKAGING** | | | | | | | | | |
| **Design Effectiveness**  0-3 points | **0**  Suggested product packaging not provided | | **1**  Packaging design does not exhibit creativity and innovation, and/or would not be effective in containing, shipping, and storing the product | | **2**  Packaging design exhibits creativity and innovation, and would be effective in containing, shipping, and storing the product | | **3**  Packaging design exhibits creativity and innovation, and would be effective in containing, shipping, and storing the product. Description of actual materials to be used is included | |  |
| **Marketability**  0-3 points | **0**  Suggested product packaging not provided | | **1**  Packaging is missing required information (see specifications) and/or lacks visual appeal for the intended audience | | **2**  Packaging contains all of the required information (see specifications) and has some visual appeal for the intended audience | | **3**  Packaging contains all of the required information (see specifications) and has high visual appeal for the intended audience | |  |
| **Appearance**  0-2 points | **0**  Suggested product packaging not provided | | | **1**  Packaging is unprofessional, not of high quality and/or contains grammatical or spelling errors | | **2**  Packaging is professional, of high quality, legible, and correct grammar and spelling used | | |  |
| **ORAL PRESENTATION** | | | | | | | | | |
| **Organization/ Delivery**  0 – 10 points | **0**  Presentation is not done or presented briefly and does not cover components of the project | **1-2**  Presentation covers some topic elements | | **3-4**  Presentation covers all topic elements but with minimal information | **5-6**  Presentation gives complete information but does not explain the project well | **7-8**  Presentation covers information completely but does not flow well | | **9-10**  Presentation covers all relevant information with a seamless and logical delivery |  |
| **Explanation of Product Choice**  0-5 points | **0**  No product choice explanation | **1**  Product choice explanation was brief and product choice is not thought out or appropriate for topic and audience | | **2**  Product choice explanation was brief but the product choice is appropriate for topic and audience | **3**  Product choice explanation was clear and thorough. Product choice is appropriate for topic and audience | **4**  Product choice explanation was clear and thorough. Some evidence that the product choice was thought out and appropriate for topic and target audience | | **5**  Product choice explanation was clear and thorough. It is evident that the product choice was thought out and highly appropriate for topic and target audience |  |
| **Knowledge of Subject Matter**  0-5 points | **0**  Little or no evidence of knowledge | **1**  Minimal evidence of knowledge | | **2**  Some evidence of knowledge | **3**  Knowledge of subject matter is evident but not effectively used in presentation | **4**  Knowledge of subject matter is evident and shared at times in the presentation | | **5**  Knowledge of subject matter is evident and incorporated throughout the presentation |  |
| **Use of Display and Visuals during Presentation**  0-5 points | **0**  Display and visuals not used during presentation | **1**  Display and visuals used to limit amount of speaking time | | **2**  Display and visuals used minimally during presentation | **3**  Display and visuals incorporated throughout presentation | **4**  Display and visuals used effectively throughout presentation | | **5**  Presentation moves seamlessly between oral presentation and display |  |
| **Voice – pitch, tempo, volume**  0-3 points | **0**  Voice qualities not used effectively | | **1**  Voice quality is adequate | | **2**  Voice quality is good, but could improve | | **3**  Voice quality is outstanding and pleasing | |  |
| **Body Language/ Clothing Choice**  0-3 points | **0**  Uses inappropriate gestures, posture or mannerisms, avoids eye contact/inappropriate clothing | | **1**  Gestures, posture, mannerisms and eye contact is inconsistent/ clothing is appropriate | | **2**  Gestures, posture, mannerisms, eye contact, and clothing are appropriate | | **3**  Gestures, posture, mannerisms, eye contact, and clothing enhance presentation | |  |
| **Grammar/Word Usage/ Pronunciation**  0-3 points | **0**  Extensive (more than 5) grammatical and pronunciation errors | | **1**  Some (3-5) grammatical and pronunciation errors | | **2**  Few (1-2) grammatical and pronunciation errors | | **3**  Presentation has no grammatical or pronunciation errors | |  |
| **Responses to Evaluators’ Questions**  0-5 points | **0**  Did not answer evaluators’ questions | **1**  Unable to answer some questions | | **2**  Responded to all questions but without ease or accuracy | **3**  Responded adequately to all questions | **4**  Gave appropriate responses to evaluators’ questions | | **5**  Responses to questions were appropriate and given without hesitation |  |

Evaluator’s Comments:

**TOTAL**

(90 points possible)

Evaluator Initial \_\_\_\_\_

Room Consultant Initial \_\_\_\_\_

Evaluator # \_\_\_\_\_\_\_