COMMERCIAL BAKING (VIRTUAL)

PURPOSE
To evaluate each contestant’s preparation for employment in the food service industry and to recognize outstanding students for excellence and professionalism in the commercial baking and pastry arts field.

First, download and review the General Regulations at: http://updates.skillsusa.org.

ELIGIBILITY
Open to active SkillsUSA members enrolled in programs with commercial baking/pastry arts as the occupational objective.

CLOTHING REQUIREMENT
Class G: Culinary/Commercial Baking Attire
• White or black work pants or black-and-white checkered chefs’ pants*.
• White chef’s jacket.
• White or black leather work shoes (non-slip).
• White apron.
• White neckerchief.
• Side-Towels.
• Hairnet.

Note: Chef’s hats (toques) will be supplied by the National Technical Committee, as well as food handlers’ gloves.

* Black-and-white checkered chef’s pants not available through the SkillsUSA Store.

Clothing must meet industry safety standards.
No identification of the contestant, school or state is allowed on clothing.
No offensive, vulgar or inappropriate images or text are allowed on contestants’ clothing.
No shorts or sleeveless shirts are allowed.
Skirts must be at least knee-length.
Proper Personal Protective Equipment (PPE) must be worn by contestant to meet all state, local and school requirements due to COVID-19.
Scoring deductions may only be given and/or disqualification of contestant if clothing safety standards are not met.

No facial jewelry is allowed. Earrings are not permitted even if covered by a bandage. A single watch or wedding ring is the only jewelry that will be allowed to be worn during the orientation and contest periods. All hair must be restrained by either a hat or hairnet. Beards must be covered by a snood during all periods of food handling.

These regulations refer to clothing items that are pictured and described at: www.skillsusastore.org. If you have questions about clothing or other logo items, call 1-888-501-2183.

Cellphones are not permitted and cannot be used in place of a kitchen timer.

EQUIPMENT AND MATERIALS
1. Supplied by the technical committee:
   a. Contest problem (formulas, recipes, instructions)
2. Supplied by the contestant
   a. Computer with high-speed internet capability and camera to use applications such as Zoom, Teams, etc. The minimum recommended internet bandwidth speeds for joining Zoom meetings, accessing on-demand curriculum and other online operations is 2.0 Mbps up and down. You can test your current internet speeds by following this link: www.speedtest.net. Allow the page to load and click on GO.
b. A secondary camera(s) may be required to provide judges with the ability to view contestants from different angles. Additional camera requirements will be located on the SkillsUSA website at http://updates.skillsusa.org.

c. A contest Proctor will be required to be on site to assist judges. A local industry expert is preferred to serve as the Proctor and shall not be an individual that has been involved with the training of the contestant(s). The Proctor will serve as the onsite “hands and eyes” for the judges. Proctor will follow instructions from the judges for safety and operations related to the competition. Proctor may be asked by judges to perform several tasks such as operating a portable camera to show specific components or steps, measure parts, or any task that will provide judges with information needed to assist in accurate scoring of the contestant’s work or presentation. However, the Proctor shall not serve as a judge nor have any influence on contestant scores.

d. The contestant’s instructor or advisor shall be on site to observe all competition activities to ensure a safe and healthy competition experience for all participants. That instructor or advisor will not be allowed to interact or interfere with the competitor unless a safety issue arises that requires interaction. Any other support or interaction between the contestant and the instructor/advisor will result in disqualification.

e. All competitors must create a one-page résumé and submit an electronic copy to the technical committee chair at least seven (7) days in advance of the competition. Failure to do so will result in a 10-point penalty. Instructions for submission of the electronic résumé copy will be provided on the SkillsUSA website at http://updates.skillsusa.org.

f. All necessary food items for the contest, paper goods, etc. No outside food will be allowed.

g. Contest site organized (workstations, ovens, stoves refrigeration, access to product and additional equipment) in as fair a manner possible for each contestant

h. Below is a minimum list of tools needed. Contestants may bring additional tools, but they must be stored in your workspace. Equipment check will occur during setup. Judging will also include the contestant’s ability to maintain a neat and clean workspace.

1. All mixers, ovens, stoves necessary for food preparation
2. All products for food presentation
3. Bowl Stainless (1, 2, 3, and 4-quart)
4. Brush, Bench
5. Brush, Pastry
6. Card Scraper/Bowl Scraper
7. Container Dry Measuring
8. Container for Cooling
9. Container Liquid Measuring (1qt)
10. Couche/Cloth
11. Cutting Board or Mat
12. Dough Container (for Fermentation)
13. Dough Cutter/Bench Knife
14. Dough Cutter/Knife/Pastry Blender
15. Flower Nails
16. Gloves, Food Service
17. Ingredient Container for Scaling
18. Knife, Chef (8-10”)
19. Knife, Paring
20. Knife, Serrated (10”) 21. Marker (ex: Sharpie) or pencil to mark all items (ballpoint pen does not work)
22. Microplane/Zester/Grater
23. Oven Mitts/Pads
24. Pan, Sauté (10-12”)
25. Pastry Bags
26. Pastry Tip (Ateco 807 (.56”)) or similar size (Round)
27. Pastry Tips (Assorted Decorating)
28. Pastry Wheel
29. Rolling Pin/French Pin/Dowell
30. Ruler
31. Sauce Pan/Pot (2qt)
32. Scale, Digital (5k or 10lb) (Battery Powered)
33. Scissors
34. Scoop, Portion #16
35. Sifter – Small
36. Silpat (Full Sheet)
37. Spatula, Offset
38. Spatula, Rubber
39. Spatula, Rubber Heat-Proof
40. Spatula, Assorted
41. Spoon, Chef
42. Spoon, Measuring
43. Thermometer (digital preferred)
44. Timer(s)
45. Towels, Cleaning
46. Towels, Side
47. Vegetable Peeler
48. Wire Whip/Whisk

Note: Your contest also may require a hard copy of your résumé as part of the actual contest. Check the Contest Guidelines and/or the updates page on the SkillsUSA website: http://updates.skillsusa.org.

SCOPE OF THE CONTEST

Knowledge Performance
The contest will include a written knowledge test assessing baking fundamentals. The written exam consists of 100 multiple-choice questions.

The written test will be scheduled during the contestant meeting and held before the performance portion of the contest.

** The exam being offered is the Retail Baking Association standard Journeyman certification exam. The exam consists of 100 multiple-choice questions. Topics of the exam include: weights, measures and general baking math; classifications and properties of ingredients; handling and storage of ingredients; safety and handling; yeast-raised dough products; doughnut — cake and yeast-raised; cake decorating; cakes; production/scheduling/planning; laminated doughs; cookies, pies, and pastries; and customer service and merchandising of products

Successful completion of written and practical exam you can apply for the Journeyman Certificate through the Retail Bakers of America.

Successful completion of written and practical exam will replace the NOCTI requirements on the American Culinary Certification Certified Fundamental Pastry Cook (CFPC) application

Skill Performance
The skill performance of the contest will be the actual preparation of baked goods and the presentation of the finished products ready for sale to customers.

Contest Guidelines
The skill performance portion of the contest will ask contestants to:
1. Demonstrate and apply food safety principles, procedures, HACCP and key practices for ensuring food safety
2. Coordinate mise en place and apply organizational skills
3. Demonstrate and apply knowledge of proper baking methods and techniques as required
4. Demonstrate knife skills and proper cutting techniques
5. Demonstrate and apply the proper use of equipment
6. Demonstrate and apply creative preparation, portioning and presentation of food items

Note: The product formulas and evaluation rubrics as well as other instructions needed for product preparation will be posted on the SkillsUSA website at: http://updates.skillsusa.org.

Note: A total of eight products will be prepared during the performance portion of the contest. Some of the formulas will have sub-formulas. The products will be selected by the national technical committee.

Standards and Competencies

Note for Virtual Competitions: Contestants may not be required to perform all the standards and competencies listed in this section. However, contestants should be prepared to perform components in all areas. Prior to the competition, the technical committee may determine which standards and competencies contestants will be perform for the virtual contests. The technical committee will determine if additional information is needed for contestants prior to the competition.
These changes will be posted on the SkillsUSA Championships contest update website at: http://updates.skillsusa.org.

The following standards and competencies are those set forth by the Retail and Commercial Baking Industries as well as those established for the Culinary Arts and Hospitality industries.

**CB 1.0 — Follow Hazard Analysis Critical Control Points (HACCP) in a food preparation setting**

1.1 Document information on time and temperature in log
1.2 Store and rotate food according to policies (FIFO)
1.3 Use proper receiving procedures for the delivery of food
1.4 Wash hands according to proper procedures
1.5 Use properly calibrated thermometers
1.6 Use labels properly

**CB 2.0 — Maintain knowledge of safety, sanitation and HAZMAT policies, procedures and codes in a food preparation setting**

2.1 Validate that in-service training records and reports are up-to-date
2.2 Ensure that personal certifications are maintained
2.3 Ensure that proper containers are used for storage of food, chemicals and other supplies
2.4 Check that personal attire meets safety standards (e.g., covered hair)
2.5 Ensure that proper cleaning solutions are maintained and used
2.6 Ensure that spills and other safety problems are addressed immediately
2.7 Ensure that material safety data sheets are reviewed

**CB 3.0 — Maintain personal hygiene and compliance with dress code in a food preparation setting**

3.1 Demonstrate that uniforms are clean and fit properly
3.2 Demonstrate that hair restraints are used
3.3 Ensure that perfume and cologne use is minimal
3.4 Demonstrate that hands and nails are clean and groomed
3.5 Ensure that use of jewelry meets standards (e.g., only wedding rings)

**CB 4.0 — Maintain safe and sanitary work area(s)**

4.1 Show that location of first aid kit is clearly marked
4.2 Show that MSDS sheets are used properly
4.3 Show that sanitizers are located at every station
4.4 Show that work area, tools and equipment are cleaned and sanitized after each activity
4.5 Ensure that chemicals are stored properly
4.6 Ensure that sharp objects are stored properly
4.7 Demonstrate that fire codes are followed

**CB 5.0 — Hold and store food at proper temperature**

5.1 Show that food products are labeled and dated
5.2 Ensure that food is rotated in a timely manner
5.3 Ensure that temperature of food and storage containers is within guidelines
5.4 Show that the thermometer is calibrated
5.5 Demonstrate that temperatures are checked and logged regularly
5.6 Ensure that storage guidelines are followed
5.7 Prepare food according to specifications

**CB 6.0 — Review menu, recipes/formulas and instructions**

6.1 Demonstrate that clarification is sought when questions arise
6.2 Ensure that recipe/formula reviewed is up-to-date
6.3 Ensure that quantity of food is verified
6.4 Ensure that menu items are consistent with recipes/formulas
6.5 Demonstrate that recipes/formulas are available and referenced when needed

**CB 7.0 — Identify and select the necessary ingredients**

7.1 Identify and use appropriate substitutions if necessary
7.2 Verify ingredient list
7.3 Verify that preparation ingredients are consistent with recipe/formula
7.4 Ensure that requisition forms are used when appropriate for special items
7.5 Verify that stock levels are checked
7.6 Verify that freshness and proper rotation are checked
CB 8.0 — Follow recipes/formulas and customer requests
8.1 Demonstrate that proper weights and measurements are used
8.2 Ensure that substitutions are made upon customer requests
8.3 Verify that recipe/formula is followed consistently
8.4 Identify that cooking/baking and serving times are consistent with recipes/formulas
8.5 Identify that food is consistent with customer request and recipe/formula
8.6 Ensure that order is checked for special instructions
8.7 Verify that the customer reports satisfaction

CB 9.0 — Prepare food to proper temperature and taste
9.1 Verify proper temperature requirements
9.2 Use thermometer correctly
9.3 Set food warmers to proper temperature
9.4 Calibrate thermometers correctly
9.5 Verify that potentially hazardous foods have reached safe temperatures

CB 10.0 — Communicate necessary information to co-workers in a food preparation setting
10.1 Follow chain of command
10.2 Communicate requests for special orders to chef prior to preparation
10.3 Verify customer requests with food server
10.4 Share customer feedback
10.5 Monitor and communicate quantity of returned items
10.6 Use shift logs
10.7 Use warning tags
10.8 Ensure that products are labeled

CB 11.0 — Review standards and customer requests for finished product
11.1 Identify special requests
11.2 Identify necessary garnishes
11.3 Identify appropriate portions
11.4 Identify appropriate container (e.g., plate, banquet container)

CB 12.0 — Assemble product for delivery
12.1 Use appropriate serving containers
12.2 Ensure that serving containers (e.g., plates, flatware) are clean
12.3 Use proper hygiene when assembling the final product (e.g., hair covering)
12.4 Verify that all menu items are present
12.5 Use proper serving tools
12.6 Verify that product is visually inspected
12.7 Notify food servers of the availability of order

CB 13.0 — Monitor holding time and temperature
13.1 Verify that heat lamps are in working order
13.2 Calibrate thermometers properly
13.3 Rotate finished food at appropriate time intervals
13.4 Verify that holding time and temperatures comply with standard policies
13.5 Check maintenance logs on equipment
13.6 Use thermometers consistently
13.7 Use Hazard Analysis Critical Control Point (HAACP) logs
13.8 Use serving and holding tools correctly

CB 14.0 — Assess final product for quality assurance
14.1 Verify that the ticket is compared to the finished dish
14.2 Match the final product to customer request
14.3 Verify that the presentation of product is consistent
14.4 Ensure that the final product is prepared at the correct temperature
14.5 Ensure that the final product is seasoned at correct level
14.6 Ask service staff about the customer reaction

CB 15.0 — Gather the necessary equipment in the food preparation setting
15.1 Use the right tool or piece of equipment for task
15.2 Ensure that tools and equipment are transported to work area safely
15.3 Use checklists to verify equipment

CB 16.0 — Verify that equipment and tools are in working order
16.1 Inspect equipment and tools visually
16.2 Identify equipment and tools with missing parts
16.3 Ensure that equipment is tested before use (e.g., oven temperature)
16.4 Ensure that defective tools and equipment are reported to supervisors
16.5 Verify that maintenance logs are maintained
16.6 Ensure that tools and equipment that create safety hazards are removed

CB 17.0 — Communicate deficiencies and other necessary information to the supervisor
17.1 Identify unsafe tools and equipment clearly
17.2 Describe deficiencies in detail
17.3 Report deficiencies to appropriate personnel
17.4 Log deficiencies
17.5 Ensure that maintenance logs reflect deficiencies
17.6 Verify that documentation procedures are followed

CB 18.0 — Use tools and equipment in a safe and sanitary manner
18.1 Verify that tools and equipment are cleaned and sanitized before and after use
18.2 Use proper colored cutting board (e.g., blue/fish; red/raw meat; green/vegetables)
18.3 Use proper food handler gloves
18.4 Verify that knives are sharpened on a regular basis
18.5 Use equipment safety devices (e.g., guards on electronic cutters)
18.6 Follow manufacturer’s operating instructions for equipment

CB 19.0 — Clean and sanitize equipment and tools after every use
19.1 Use proper chemical mixture to clean and sanitize equipment and tools
19.2 Ensure that cutting boards are properly bleached
19.3 When cleaning tools and equipment, use hot water
19.4 Ensure that policies and procedures for using chemicals and sanitizers are followed

CB 20.0 — Store tools and equipment in proper area after use
20.1 Verify that equipment and tools are cleaned, sanitized and covered before storage

20.2 Ensure that cleaning supplies are stored in the proper area
20.3 Return tools and equipment to proper storage place
20.4 Ensure that equipment sanitization storage rules are followed

CB 21.0 — Maintain awareness of surroundings in the food preparation setting
21.1 Report security or safety problems promptly to appropriate personnel
21.2 Ensure that hazardous situations are dealt with promptly
21.3 Verify that work area is visually scanned on a regular basis for safety and security problems
21.4 Identify emergency exits and procedures
21.5 Check emergency equipment regularly
21.6 Monitor location of co-workers

CB 22.0 — Advise management of safety and security concerns
22.1 Notify supervisory personnel promptly about safety and security concerns
22.2 Document safety concerns in a timely manner
22.3 Forward concerns to appropriate personnel
22.4 Document concerns containing all relevant information
22.5 Ensure that follow-up activities occur after concerns have been forwarded

CB 23.0 — Take appropriate action to protect guest and employee safety
23.1 Correct hazardous conditions promptly and safely
23.2 Notify management and/or outside agencies (e.g., fire department, ambulance) promptly of problems
23.3 Use proper safety equipment
23.4 Follow written policies and procedures
23.5 Document outstanding hazards
23.6 Monitor customer behavior for potential harm to others
23.7 Verify that visible signage is posted around hazardous areas (e.g., wet floor)

CB 24.0 — Follow security policies and procedures
24.1 Review safety and security policies frequently
24.2 Verify that security documentation is complete and accurate
24.3 Verify that company reports (e.g., shrinkage reports) indicate security policies are being followed
24.4 Ensure that unauthorized individuals are identified and removed from premises
24.5 Verify that the work environment is checked frequently for potential security problems

CB 25.0 — Follow safety and emergency procedures, including appropriate workplace behavior
25.1 Follow emergency procedures according to company policy
25.2 Notify proper authorities of emergency situations
25.3 Use emergency equipment properly
25.4 Verify that safety-related training and certifications (e.g., CPR) are up-to-date
25.5 Report suspicious activity to appropriate personnel
25.6 Document incident reports properly and in a timely manner

CB 26.0 — Identify problems with customer satisfaction
26.1 Ensure that customers are asked about their source of dissatisfaction
26.2 Repeat problem description to customer to verify understanding
26.3 Assess customer body language for signs of dissatisfaction
26.4 Document problems in a timely manner
26.5 Review customer feedback
26.6 After a problem has been identified, ensure that follow up activity occurs

CB 27.0 — Resolve problem or offer alternative solutions according to company procedures and guidelines
27.1 Identify that the solution is consistent with company policies and procedures
27.2 Document the resolution to the problem as company policy requires
27.3 Ensure that proper attitude is maintained at all times
27.4 Verify that problems are referred to proper personnel when appropriate
27.5 Perform the resolution of a problem in a timely manner
27.6 After a problem has been identified, verify that follow-up activities occur

CB 28.0 — Follow up on guest satisfaction and employee actions
28.1 Verify that customer satisfaction is checked after solution is offered
28.2 Identify that customer comment cards indicate customer satisfaction
28.3 Contact customers about the resolution of outstanding problems
28.4 Ensure that follow-through activities with guest are performed
28.5 Document customer satisfaction level

CB 29.0 — Document incident and outcome
29.1 Verify that documents and forms are complete and accurate
29.2 Ensure that documentation is provided to appropriate personnel
29.3 Identify that documentation is completed in a timely manner
29.4 Notify co-workers of the outcome and any changes in policy
29.5 Verify that documentation is reviewed to ensure that the problem does not recur

Committee Identified Academic Skills
The technical committee has identified that the following academic skills are embedded in this contest.

Math Skills
- Use fractions to solve practical problems.
- Use proportions and ratios to solve practical problems.
- Simplify numerical expressions.
- Use scientific notation.
- Solve practical problems involving percentages.
- Solve single variable algebraic expressions.
- Solve problems using proportions, formulas and functions.

Science Skills
- Use knowledge of cell theory.
- Use knowledge of patterns of cellular organization (cells, tissues, organs, systems).
- Describe basic needs of organisms.
- Classify living organisms.
- Use knowledge of carbon, water and nitrogen cycles.
• Describe and recognize elements, compounds, mixtures, acids, bases and salts.
• Describe and recognize solids, liquids and gases.
• Describe characteristics of types of matter based on physical and chemical properties.
• Use knowledge of physical properties (shape, density, solubility, odor, melting point, boiling point and color).
• Use knowledge of chemical properties (acidity, basicity, combustibility and reactivity).

Language Arts Skills
• Provide information in conversations and in group discussions.
• Provide information in oral presentations.
• Demonstrate use of such verbal communication skills as word choice, pitch, feeling, tone and voice.
• Demonstrate use of such nonverbal communication skills as eye contact, posture and gestures using interviewing techniques to gain information.
• Demonstrate comprehension of a variety of informational texts.
• Use test structures to aid comprehension.
• Understand source, viewpoint and purpose of texts.
• Organize and synthesize information of ruse in written and oral presentations.
• Demonstrate knowledge of appropriate reference materials.
• Use print, electronic databases and online resources to access information in books and articles.
• Demonstrate narrative writing.
• Demonstrate expository writing.
• Demonstrate information writing.
• Edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure and paragraphing.

Connections to National Standards
State-level academic curriculum specialists identified the following connections to national academic standards.

Math Standards
• Numbers and operations.

• Algebra.
• Geometry.
• Measurement.
• Problem solving.
• Communication.
• Connections.
• Representation.

Source: NCTM Principles and Standards for School Mathematics. For more information, visit: http://www.nctm.org.

Science Standards
• Understands the structure and function of cells and organisms.
• Understands relationships among organisms and their physical environment.
• Understands biological evolution and the diversity of life.
• Understands the structure and properties of matter.
• Understands the sources and properties of energy.
• Understands the nature of scientific inquiry.

Source: McREL compendium of national science standards. To view and search the compendium, visit: www2.mcrel.org/compendium/browse.asp.

Language Arts Standards
• Students apply a wide range of strategies to comprehend, interpret, evaluate and appreciate texts. They draw on their prior experience, their interactions with other readers and writers, their knowledge of word meaning and of other texts, their word identification strategies, and their understanding of textual features (e.g., sound-letter correspondence, sentence structure, context, graphics).
• Students adjust their use of spoken, written and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.
• Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.
• Students use a variety of technological and information resources (e.g., libraries,
databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.

- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion and the exchange of information).

Source: IRA/NCTE Standards for the English Language Arts. To view the standards, visit: www.ncte.org/standards.