

## COSMETOLOGY BLUEPRINT

This Blueprint contains the subject matter content of this Skill Connect Assessment. This Blueprint does **NOT** contain the information one would need to fully prepare for a SkillsUSA Championships contest. Please refer to the *SkillsUSA Championships Technical Standards* CD-ROM for the current year or purchase and download the relevant "Contest Singles." Both are available through [www.skillsusa.org](http://www.skillsusa.org) > Shop > Educational Materials Catalog.

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### Standards and Competencies

**Blunt Haircut (0 Degree): Create a blunt haircut (0 degree) haircut and design within a 45 minute time period, styling the hair with blow dryer, flat iron, curling iron and round brush as applicable**

- Assemble tools (shears, comb, blow dryer, flat iron, curling iron, round brush) and prepare station
- Create a four section parting
  - Detangle the hair
  - Position the head upright
  - Create a center parting from the front hair line to the nape, dividing the head into two halves
  - Create a parting that runs from the apex (crown) to the back of the ear on both sides and clip
- Establish back guide
  - Beginning at the nape on one side, take a horizontal parting 1/4" to 1/2" from the hair line (depending on the density of the hair), parallel to the floor
  - Position fingers and/or shears horizontal and parallel to the floor, and cut from the center of the nape to behind the ear to create a stationary guide
  - Beginning at the nape on the opposite side, take a horizontal parting 1/4" to 1/2" from the hair line (depending on the density of the hair), parallel to the floor
  - Position fingers and/or shears horizontal and parallel to the floor, and cut from the center of the nape to behind the ear to complete the stationary guide
- Complete cutting back panels, alternating sides
  - Returning to initial side, create another 0.25-0.5 inch subsection. Comb hair down in a natural fall
  - Position fingers and shears horizontal and parallel to the floor. Cut length to match guide. Repeat on the opposite side
  - Continue working up the back of the head, alternating sections, making horizontal cuts to match guide
- Establish the initial front, side guide
  - On the initial side, take a horizontal parting including a portion of the back section to match stationary guide
  - Comb section from scalp to ends, release subsection and allow hair to hang in a natural fall, allowing for protrusion of the ear
  - Position fingers or comb horizontally at the cutting line, cut straight across, connecting side section to the back guide
- Establish the opposite front, side guide
  - On the opposite side, take a horizontal parting including a portion of the back section to match stationary guide
  - Comb section from scalp to ends, release subsection and allow hair to hang in a natural fall, allowing for protrusion of the ear
  - Position fingers or comb horizontally at the cutting line, cut straight across, connecting side section to the back guide
- Check both sides for evenness and make needed adjustments
- Continue working on initial side with horizontal partings until all hair has been cut to match the guide. Repeat on opposite side

- Cross-check using vertical sections. Visually check balance and proportion of haircut
- Select appropriate product for style and properly apply to hair
- Blow-dry the hair. If applicable, use appropriate tools to complete design
- Check for balance and proportion of finished style and make appropriate adjustments
- Disinfect implements, clean and organize station

**Uniform Layered (90 Degree) Haircut Procedure: Create a uniform layer (90 degree) haircut and design within a 45 minute time period, styling the hair with blow dryer and fingers only**

- Assemble tools (shears, comb and blow dryer) and prepare station
- Create a four section parting
  - Detangle the hair
  - Position the head upright
  - Create a center parting from the front hair line to the nape, dividing the head into two halves
  - Create a parting that runs from the apex (crown) to the back of the ear on both sides and clip
- Establish the design length around the perimeter
- Establish the interior guide at the top of head (apex, crown)
  - Beginning at the apex (crown), comb a small section straight out from the head, keeping your fingers parallel to the head
  - Cut to the desired length
- Continue cutting guideline from the established interior guide at apex to front hairline
- Continue cutting guideline from the established interior guide at the apex to the nape
- Use vertical partings following the curvature of the head to cut the interior
- Maintain a constant 90-degree elevation throughout the procedure, keeping your fingers parallel to the head to establish a traveling guideline
- Follow a traveling guide to maintain uniformly layered lengths
- Perform a cross check of procedure for accuracy
- Check perimeter guideline and finish as necessary
- Uniformly blend the finished cut
- Select appropriate product for style and properly apply to hair
- Blow-dry the hair to frame the face. If applicable, use appropriate tools to complete design
- Disinfect implements, clean and organize station

**Haircolor: Demonstrate a single-process color for virgin hair**

- Preparing for a single-process color for virgin hair
  - Gather and arrange materials, implements, and supplies
  - Perform preliminary patch test 24 to 48 hours prior to service
  - Conduct client consultation. Analyze hair and scalp. Record results on client's record card
  - Ask client to remove jewelry and store in safe place
  - Drape client for haircolor service
  - Apply protective cream around hairline and over ears
  - Perform strand test; record results on client record card
- Perform a single-process color for virgin hair
  - Part dry hair into four sections
    - Detangle the hair
    - Position the head upright
    - Create a center parting from the front hair line to the nape, dividing the head into two halves
    - Create a parting that runs from the apex (crown) to the back of the ear on both sides and clip
  - Prepare tint formula for either bottle or brush application, following manufacturer's directions
  - Begin in the section where the color change would be greatest or where hair is most resistant, and part off 1/4" subsection with the applicator
  - Lift subsection and apply color to the mid-shaft area at least 1/2" from the scalp and not through the porous ends

- Process according to strand test results. Check color development by following the same steps used in strand testing
- Apply color to the hair at the scalp
- Pull the color through onto the hair ends
- Lightly rinse with lukewarm water. Massage color into a lather and rinse thoroughly
- Using a towel, gently remove any stains around hairline with shampoo or stain remover
- Shampoo hair; condition as needed
- Towel-dry and style hair
- Clean-up and sanitize following a single-process color for virgin hair
  - Discard disposable supplies and materials
  - Close containers, wipe clean, store in proper place
  - Sanitize implements, cape and workstation
  - Wash hands with soap and warm water
  - Record results on client record card and file it

### **Chemical Texture Services: Demonstrate the procedure for a curvature perm**

- Prepare to perform a basic perm
  - Gather and arrange required implements, materials and supplies
  - Wash hands
  - Conduct client consultation and evaluation. Complete client perm record card. Note changes in client's history
  - Drape client for shampoo
  - Gently shampoo and towel-dry hair
- Perform a preliminary test curl
- Perform a basic perm wrap (straight set wrap)
  - Divide hair into nine panels, and select length of rod
  - Using double flat wrap method, hold hair at 90-degree angle to head and begin wrapping at front hairline panel
  - Wrap remaining eight panels, using same technique
- Process the basic perm
  - Apply protective barrier cream to hairline and ears
  - Apply perm solution with a bottle to hair on each rod
  - Process according to manufacturer's directions
  - Determine when curl development is complete
  - Rinse thoroughly and towel blot
  - Apply neutralizer, and process according to manufacturer's directions
  - After processing, remove rods and gently work remaining neutralizer through hair
  - Rinse thoroughly
- Perform clean up and sanitation following a basic perm
  - Discard disposable supplies in appropriate receptacles
  - Sanitize implements and store according to sanitation requirements
  - Clean, sanitize and prepare workstation for next service
  - Wash hands thoroughly with soap and warm water
  - Complete the client record

### **Demonstrate customer service skills**

- Use a pleasant voice
- Introduce yourself to client
- Use client's name
- Verify client information
- Offer salon services
- Ask client if they have any questions
- Rebook client
- Be friendly, helpful and sincere

**Demonstrate client consultation skills**

- Assess the client's current look
- Ask what client likes/dislikes about current look
- Perform a hair and scalp analysis, including analysis of length, texture, type, porosity and condition
- Analyze client attributes, including head shape, face shape, profile and special considerations
- Ask client about career and personal lifestyle
- Use photo collection to learn preferred looks
- Make suggestions based on lifestyle and preferred looks
- Suggest additional services and/or products to make the client's new look complete
- Counseling the client on required home maintenance
- Restate and confirm everything agreed upon between stylist and client
- Document information acquired during client consultation on client service record

**Demonstrate professional development skills in a simulated customer-service or employment situation. Examples may include:**

- Job interview
- Customer service scenario
- Communications
- Decision making, problem solving and/or critical thinking

**Committee Identified Academic Skills**

The SkillsUSA national technical committee has identified that the following academic skills are embedded in the cosmetology training program and assessment:

**Math Skills**

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Solve practical problems involving percents
- Measure angles
- Find volume and surface area of three- dimensional objects
- Apply transformations (rotate or turn, reflect or flip, translate or slide, and dilate or scale) to geometric figures
- Construct three-dimensional models
- Make predictions using knowledge of probability
- Solve problems using proportions, formulas and functions
- Use basic math skills for purpose of marketing and bookkeeping; addition, subtraction, multiplication, division and percentages

**Science Skills**

- 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, color)
- Use knowledge of chemical properties (acidity, basicity, combustibility, reactivity)
- Describe and demonstrate simple compounds (formulas and the nature of bonding)
- Predict chemical changes to matter (types of reactions, reactants and products; and balanced equations)
- Use knowledge of potential and kinetic energy
- Use knowledge of mechanical, chemical and electrical energy
- Use knowledge of heat, light and sound energy
- Use knowledge of temperature scales, heat and heat transfer
- Use knowledge of the nature and technological applications of light

- Use knowledge of principles of electricity and magnetism
- Use knowledge of static electricity, current electricity and circuits

### **Language Arts Skills**

- Demonstrate use of verbal communication skills, such as word choice, pitch, feeling, tone and voice
- Demonstrate use of nonverbal communication skills, such as eye contact, posture, and gestures using interviewing techniques to gain information
- Demonstrate comprehension of a variety of informational texts
- Use text structures to aid comprehension
- Understand source, viewpoint and purpose of texts
- Demonstrate knowledge of appropriate reference materials
- Use print, electronic databases and online resources to access information in books and articles

### **Connections to National Standards**

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

#### **Math Standards**

- Geometry
- Measurement
- Problem solving
- Communication
- Connections
- Representation

**Source:** NCTM Principles and Standards for School Mathematics. To view high school standards, visit: [standards.nctm.org/document/chapter7/index.htm](http://standards.nctm.org/document/chapter7/index.htm). Select “Standards” from menu.

#### **Science Standards**

- Understands the principles of heredity and related concepts
- Understands relationships among organisms and their physical environment
- Understands the nature of scientific inquiry

**Source:** McREL compendium of national science standards. To view and search the compendium, visit: [www.mcrel.org/standards-benchmarks/](http://www.mcrel.org/standards-benchmarks/).

#### **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 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.readwritethink.org/standards/index.html](http://www.readwritethink.org/standards/index.html).