

BAA Course Framework: Hairstylist (Cosmetology) Apprenticeship Program 12A: Chemically Waving and Relaxing Hair

District Name: Abbotsford

District Number: 34

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Date Developed: November 2010

School Name: Abbotsford Collegiate Secondary School

Principal's Name: Lance McDonald
Patti Tebbutt, Principal of Career programs

Board/Authority Approval Date: May 4, 2011

Board/Authority Signature:

Course Name: Hairstylist (Cosmetology) Apprenticeship Program 12A: Chemically Waving and Relaxing Hair

Grade Level of Course: 12A

Number of Course Credits: 4

Number of Hours of Instruction: 100

Prerequisite(s): Completion of Hairstylist (Cosmetology) Apprenticeship Program 11A, 11B, 11C, 11D and a demonstrated interest in hairstyling.

Special Training: Instructor must have:

- Proof of recent professional hair design/cosmetology experience, experiences in teaching the fundamentals of knowledge and technical skills.
- Updated workshops in the latest products, styles of hair (cuts, colour, perms) and technical skills
- Training and experience in marketing and customer/employee relations
- Instructor must have Red Seal Certification and provincial industry certification.

Facilities: The facilities should include both a classroom and a salon setting.

Equipment Required: See required equipment and learning resources in the Hairstylist (Cosmetology) Apprenticeship Program Overview.

Course Synopsis:

Hairstylist (Cosmetology) Apprenticeship Program 12A is a theory course which builds on the principles of hairdressing and the organization and management of a hair salon from SD 34 Hairstylist Programs 11A-D. Chemical waving and relaxing hair contributes to the modification of hair texture and formation. The demand for diverse tools, unconventional wrap patterns, and technologically advanced products continues to increase. With the ongoing need for ethnic-appropriate relaxing and soft curl systems, industry requires better awareness of these hair products and trends.

Rationale:

As an extension of Hairstylist (Cosmetology) Apprenticeship Program 11A, 11B, 11C, and 11D, the focus of this course is to provide students with ongoing and continuing instruction in the theory of hairdressing and in the operation and management of a hair salon. The skills learned and developed in this program will benefit the student in the workforce in the future.

This course is taken concurrently with three other hairdressing courses (Hairstylist (Cosmetology) Apprenticeship Program 12B, 12C, and 12D) which emphasis practical skill development.

Organizational Structure:

Unit/Topic	Title	Time-Hours
Unit 1	Chemically Waving Hair	70
Unit 2	Chemically Relaxing Hair	30
Total Hours		100

Grading Structure:

Practical Tasks and	25%
Quizzes and Tests,Projects	40%
Employability Skills	35%
Total	100%

Unit/Topic/Module Descriptions:

Unit 1: Chemically Waving Hair

Overview: In this unit, students learn the procedures and techniques for chemically waving and relaxing hair including:

- types of wraps such as single halo and specialty wraps
- variable tension according to manufacturers’ directions
- end paper techniques
- chemical properties of waving solutions and neutralizers
- pH scale and basic chemistry theory as it relates to trichology
- water temperature and pressure required to remove products

- blotting techniques
- air oxidizing process
- fastening and stabilizing tools and accessories
- tool removal

Curriculum Organizers: Chemically Waving and Relaxing Hair

1. Wrapping Hair
2. Processing Hair with Waving and Neutralizing Solutions
3. Removing Solutions and Excess Moisture
4. Removing Tools

Learning Outcomes:

It is expected that the student will:

1. Understand and apply the proper techniques for wrapping hair including how to:
 - section hair in relation to head form and hair type using clean partings to ensure balanced perm wrap
 - select chemical wave tools such as conventional rods, specialty rods, neck tray
 - replace perm tool components such as elastics
 - maintain perm tools using techniques such as cleaning them after use to eliminate chemicals
 - select tool according to size of sub-section, length of hair, and desired curls
 - limit size of sub-section in relation to selected tool to prevent dragging and bunching
 - comb sub-sectioned hair smooth for placement within end papers to eliminate crossed, bunched, slanted, or bent ends
 - place end papered hair smoothly around tool to ensure smooth ends
 - wind hair on tool obtaining correct distribution and tension
 - place tool in relation to sub-section to achieve desired placement such as on or off-base
 - keep tool in place when securing
 - insert stabilizers such as picks as required to prevent band marking and breakage
 - apply protective cream and secure cotton at hairline to complete wrap and ensure client safety
 - select sections, fasteners, and techniques for unconventional tools
2. Understand and apply the proper techniques for processing a client's hair with waving and neutralizing solutions including how to:
 - perform a strand test
 - apply solution to wrapped hair according to manufacturers' directions to ensure even saturation
 - establish processing time according to both manufacturers' directions and individual hair analysis
 - apply heat as required according to manufacturers' directions
 - perform test curls in various areas according to manufacturers' directions to determine curl formation

- apply neutralizer to processed hair according to manufacturers' directions to re-form bonds and stabilize the hair

3. Understand and apply the proper techniques for removing solutions and excess moisture from a client's hair including how to:

- set water temperature and pressure according to manufacturers' directions and individual hair analysis to prevent damage to the hair
- establish rinsing time according to both manufacturers' directions and individual hair analysis to ensure complete chemical removal
- spray hard-to-reach areas with water to make sure all hair is thoroughly rinsed
- verify solution removal by scent and feel to ensure completion of rinsing
- apply gentle pressure using absorbent materials to remove excess moisture from hair
- allow time for air oxidizing according to manufacturers' directions
- check hair for moisture content by touch and sight to ensure it is ready for neutralizing

4. Understand and apply the proper techniques for removing tools from a client's hair including how to:

- take out stabilizers to access tools
- release individual fastener to unwind tool
- unwind tools and remove end papers gently to avoid damaging hair
- remove cotton and barrier cream from hairline

Unit 2: Chemically Relaxing Hair:

Overview:

Students learn the techniques for chemically relaxing hair including:

- chemical properties of relaxers
- pH scale and basic chemistry theory as it relates to trichology
- water temperature and pressure required to remove products
- required application techniques
- ethnic hair processes such as soft curls
- various protective creams
- soft curl tools

Curriculum Organizers: Chemically Relaxing Hair

1. Processing Hair With Relaxer
2. Rinsing Relaxer Product From Hair
3. Neutralizing Hair

Learning Outcomes:

It is expected that the student will:

1. Describe the proper techniques to process a client's hair with relaxer including how to:
 - apply protective cream to ensure client safety
 - apply relaxer carefully and in a timely manner avoiding contact with scalp
 - select and use tools for special processes such as soft curls
 - apply relaxer to hair to ensure even distribution according to manufacturers' directions
 - smooth relaxer through hair with adequate tension according to manufacturers' directions and individual hair analysis
 - apply heat as required according to manufacturers' directions
 - perform specialty processes, such as soft curls, with relaxing products and tools as per manufacturers' directions
 - establish relaxing procedure and processing time according to both manufacturers' directions and individual hair analysis
 - perform various tests such as strand test or test curl in various areas to determine stage of process

2. Describe the proper techniques to rinse relaxer product from a client's hair including how to:
 - set water temperature and pressure according to manufacturers' directions to completely rinse relaxing products
 - check hair to ensure complete removal of relaxing products
 - remove excess moisture gently from hair using absorbent material to allow for optimal neutralizing

3. Describe the proper techniques for neutralizing a client's hair including how to:
 - apply neutralizer or specialty products to processed hair according to manufacturers' directions to re-form bonds and stabilize hair
 - establish neutralizing time according to both manufacturers' directions and individual hair analysis
 - rinse hair to remove neutralizing product, verifying by scent and feel
 - remove specialty tools, such as soft curl tools, from hair when neutralizing for specialty processes according manufacturers' directions
 - verify hair condition and apply conditioning product as required

Instructional Strategies for Hairstylist (Cosmetology) Apprenticeship Program 12A:

Direct Instruction- using instructional videos (Pivot Point-Salon Fundamentals DVD's which highlight theoretical aspects of hairstyling), Powerpoint on chemistry for chemical texturizing (chemistry and trichology as it relates to chemical texturizing) and theory (practical aspects of perming), elements/principles of hair design. It is expected that students will use this information when working with clients.

Demonstration- of the wrapping and relaxing techniques

Hands-on practice of wrapping and relaxing techniques on mannequins (group analysis).

Application of theory and practical learning of chemical waving on a model- students

will participate in this process as an assistant to another student and then again as the key hairstylist.

Practical demonstrations of how to consult and work effectively and professionally with clients.

Workbook completion on related topics.

Vocabulary development- word puzzles, window paning (pictorial representation of styles), snap (matching card game for elements of chemical waving)

Participatory Lecture- using powerpoints

Analysis and Critique of chemical waving techniques

Dramatization- students design and present a skit that tells the story of chemical waving and relaxing chemistry.

Timeline of chemical texturizing history- group task

Assessment for Hairstylist (Cosmetology) Apprenticeship Program 12A:

Formative Assessment:

Self-analysis and critique-Instructor feedback

Peer-analysis and critique of finished look- self/peer/instructor feedback (informal).

Practical tasks (perming)- instructor feedback

Client work-instructor feedback

Workbook and worksheets on chemical waving

Cooperative and open-book quizzes

Reflections (student generated) on experiences and knowledge understanding

Summative Assessment:

Quizzes on chemical texture concepts taught

Unit final tests on chemical texture concepts

Final Written Exam (ITA certification exam)

Rectangle Perm Wrap Rubric

This rubric is a self-assessment tool designed to compare your technique to industry standards. Indicate your present level of performance by checking the appropriate box.

Guide:

Level 1: *In-Progress*- You complete the task with prompting and/or assistance. You complete the task with incomplete consistency. You perform the task with several errors evident in technique. You describe the technique with vague understanding.
Level 2: *Getting Better*- You complete the task alone. You complete the task approaching industry standard. You complete the task with occasional errors evident in technique. You describe the technique with prompting.
Level 3: *Entry-Level Proficiency*- You complete the task alone. You complete the task and meet the industry standard described by your instructor. You complete the task with very few errors evident in technique. You communicate and reflect upon the technique to others. You complete the entire procedure in accordance with required training.

Industry standard- to meet entry level proficiency, Industry stands require that you:

- Perform hair relaxation and wave formation techniques in accordance with manufacturer’s directions.

	Level 1	Level 2	Level 3	To Improve, I need to:	Teacher Assessment
<p>Preparation: Assemble the essential products, implements/ supplies and equipment for the procedure; wash/sanitize hands; drape/shampoo client.</p>					
<p>Procedure: Subdivide hair into five sections; begin at front hairline of centre section; use diameter of the rod to measure the base size.</p> <p>Take horizontal parting and project hair at 90° from centre of base; apply end papers and use overlap technique</p> <p>Position rod half-off base; secure each rod with picks, use same techniques and complete centre section</p> <p>Adjust size of rode to size of section; complete back side of section at the back; complete front side of section using same techniques</p> <p>Repeat same procedures on opposite side</p> <p>Apply barrier cream and cotton around entire hairline; apply perm solution to each rod; follow manufacturer’s directions regarding plastic cap, processing and timing</p> <p>Take test curl; rinse hair thoroughly; towel blot each rod</p> <p>Apply neutralizer to each rod; set timer according to manufacturer’s directions; remove rods</p> <p>Work remaining neutralizer through ends</p> <p>Rinse thoroughly</p>					
<p>Completion: Offer a rebook visit; recommend retail products; discard non-reusable materials, disinfect implements, arrange work station in proper order and wash hands</p>					

Total= addition of all Teacher Assessment boxes	Total /39
Percentage= student score/highest possible score	Percentage %