



# VTCT

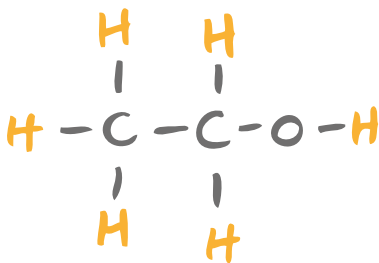
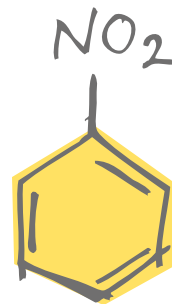
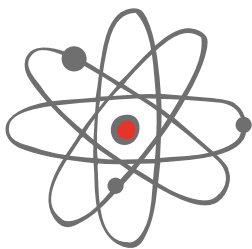
## *Assignment Brief*

<b>Qualification</b>	<b>AM20530</b> VTCT Level 2 Certificate in Hairdressing and Beauty Therapy (VRQ)
<b>Unit code/Title</b>	<b>UV21582</b> Hair and beauty science
<b>Approved for use</b>	September 2017 – August 2018

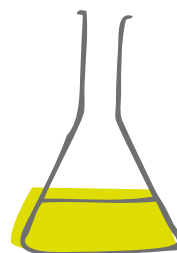
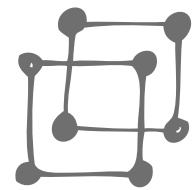
<b>Learner name</b>	
<b>Date issued</b>	
<b>Final deadline</b>	
<b>Assessor</b>	

# Hair and Beauty

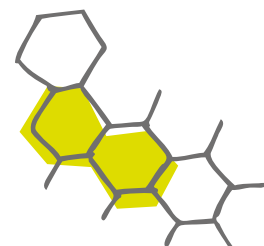
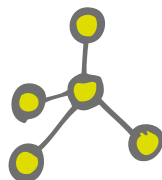
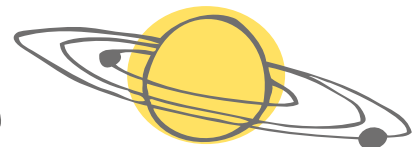
## Science



$$E = \frac{F}{q}$$



Science





## Declaration of Authenticity

### Learners

The work you submit for your assessment must be your own. Should you copy from someone else, allow another learner to copy from you, or plagiarise in any other way, you may be disqualified for the unit concerned.

### Declaration by learner

I have produced the attached work without assistance other than that which is acceptable under the scheme of assessment.

**Learner name** \_\_\_\_\_

**Learner signature** \_\_\_\_\_ **Date** \_\_\_\_\_

### Declaration by Tutor/Assessor

I confirm that:

1. The learner's work was conducted under the conditions laid out by the specification.
2. I have authenticated the learners work and am satisfied that to the best of my knowledge, the work produced is solely that of the learner.

**Tutor/Assessor Name** \_\_\_\_\_

**Tutor/Assessor signature** \_\_\_\_\_ **Date** \_\_\_\_\_



# Learning Outcome 1

## Understand the chemistry of hair and beauty products

Within the hair and beauty industry there are many hair and beauty products that consist of various ingredients. These products are applied to the hair and skin for several different effects and outcomes. This task is about developing your knowledge on the functions of key ingredients of products and the effects on the hair and skin.

*When completing this task, please ensure that you start each individual task with a separate heading.*

*You may present the findings in the format of your choice. Suggested formats to present this task include a poster or a written document.*

### Task 1a (task covers GD – 1b Pass)

**For a Pass**, select **two hair** and **two beauty products** that are currently used within the hair and beauty industry and **list** the specific ingredients found within each product.

### Task 1b (task covers GD – 1c Pass)

**For a Pass**, you are now required to examine the hair and beauty products that you selected for Task 1a.

You are required to **outline**:

- the **effects** that the **two hair products** have on the hair
- the **effects** that the **two beauty products** have on the skin

### Task 1c (task covers GD – 1b & 1c Merit)

#### Extension task – Merit

**For a Merit**, you are now required to refer to the **ingredients** of the **two** hair two and beauty products that you selected for Task 1a.

At this point you are to **describe** the following:

- the **functions** of **one ingredient** from **each product**
- the **effect** the chosen **ingredients** have on the hair and/or skin





## Learning Outcome 2

### Know the anatomy of the skin and hair

This task is about developing your knowledge of anatomy and physiology of the hair and skin. You will consider different characteristics of various hair and skin types.

*When completing this task, please ensure that you start each individual task with a heading.*

#### Task 2a (task covers GD – 2a Pass)

**For a Pass**, you are required to **outline** the different components of the hair and skin structure:

- arrector pili muscle
- blood capillaries
- sebaceous gland
- sweat gland

#### Task 2b (task covers GD – 2b Pass)

**For a Pass**, you are required to **state** the **main characteristics** of the following skin types:

- combination skin
- dehydrated skin
- sensitive skin

#### Task 2c (task covers GD – 2c Pass)

**For a Pass**, you are required to **outline** the following layers of the hair structure to complete this task:

- cuticle
- cortex
- medulla



## Learning Outcome 2

### Task 2d (task covers GD – 2d Pass)

**For a Pass**, you are required to **state** the **main characteristics** of the following hair types:

- dry hair
- environmentally damaged hair
- virgin hair

### Task 2e (task covers 2a and 2b Merit)

#### Extension task – Merit

**For a Merit**, you are required to **describe the function** of the following components found within the skin structure:

- arrector pili muscle
- blood capillaries
- sebaceous gland
- sweat gland

You are then required to further **describe** the **main characteristics** of the following skin types:

- combination skin
- dehydrated skin
- sensitive skin

### Task 2f (task covers 2c and 2d Merit)

#### Extension task – Merit

**For a Merit**, you are required to **describe** the following layers of the hair structure:

- cuticle
- cortex
- medulla

You are then required to further **describe** the **main characteristics** of the following hair types:

- dry hair
- environmentally damaged hair
- virgin hair



## Learning Outcome 3

### Be able to define a formulation for a hair or beauty product

For this task you are required to design a hair or beauty product formulation outlining the chosen ingredients to demonstrate your knowledge and understanding of hair and beauty products.

*When completing this task, please ensure that you start each individual task with a heading.*

#### Task 3a (task covers GD – 3a Pass)

##### For a Pass:

From Task 1, you will have knowledge of the different ingredients and the effects that these products have on the hair and skin. Using this knowledge, **design** your own product formulation of **one hair** or **one beauty** product.

Your product formulation will need to include:

- the **key ingredients** selected for the product formulation you have designed
- the **desired effects** on the skin and/or hair of the product formulation you have devised

#### Task 3b (task covers GD – 3a Merit)

##### Extension task – Merit

**For a Merit**, you are required to **describe** why specific ingredients were included within your product formulation and **describe** the **benefits** your product formulation will have on the hair/skin type.



## Learning Outcome 3

### **Task 3c (task covers GD – 3a Distinction)**

#### **Extension task – Distinction**

**For a Distinction**, you are required to **justify** the product formulation that you have devised to show knowledge and understanding of your formulation.

Your **justification** will include the following:

- the **specific ingredients** have been included in your product formulation
- how you considered the following terms when choosing your ingredients:
  - compatibility
  - stability
  - preservation
  - effectiveness





# Learner Checklist

## Checklist

Have you signed a Declaration of Authenticity?	
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## Pass

<b>Task 1a</b> – Have you <b>listed</b> the specific ingredients found in your <b>two</b> hair and <b>two</b> beauty products selected?	
<b>Task 1b</b> – Have you <b>outlined</b> the effects of the <b>two</b> hair and <b>two</b> beauty products have on the hair and skin?	
<b>Task 2a</b> – Have you <b>outlined</b> the different components of the skin structure?	
<b>Task 2b</b> – Have you <b>stated</b> the main characteristics for all of the different skin types required?	
<b>Task 2c</b> – Have you <b>outlined</b> all the layers of the hair structure?	
<b>Task 2d</b> – Have you <b>stated</b> the main characteristics for all of the different hair types required?	
<b>Task 3a</b> – Have you <b>devised</b> one hair or one beauty product formulation?	



# Learner Checklist

Merit	
Have you covered all of the Pass criteria?	
<b>Task 1c</b> – Have you <b>described</b> the functions of <b>one</b> ingredient from each product? Have you <b>described</b> the effect the chosen ingredients have on the hair and skin?	
<b>Task 2e</b> – Have you <b>described</b> the functions of the required components of the skin structure? Have you <b>described</b> the main characteristics for all the required skin types?	
<b>Task 2f</b> – Have you <b>described</b> the different layers of the hair structure? Have you <b>described</b> the main characteristics for all the required hair types?	
<b>Task 3b</b> – Have you <b>described</b> the specific ingredients selected for your product formulation? Have you <b>described</b> the benefits of your product will have on the hair and skin?	
Distinction	
Have you covered all the Pass and Merit criteria?	
<b>Task 3c</b> – Have you <b>justified</b> the product formulation that you have devised to show knowledge and understanding?	

	<b>Pass</b> (All Pass descriptors must be achieved to be awarded a Pass grade)	<b>Merit</b> (All Pass and Merit descriptors must be achieved to be awarded a Merit grade)	<b>Distinction</b> (All Pass, Merit and Distinction descriptors must be achieved to be awarded a Distinction grade)
<b>1a</b>			
<b>1b</b>	List the ingredients in a range of different hair and beauty products. <input type="checkbox"/>	Describe the functions of a range of ingredients found in hair and beauty products and their effects on the skin and hair. <input type="checkbox"/>	
<b>1c</b>	Outline the effects of products on the skin and hair. <input type="checkbox"/>		
<b>2a</b>	Outline the basic structure of the skin. <input type="checkbox"/>	Describe the structure of the skin and the different skin types and characteristics. <input type="checkbox"/>	
<b>2b</b>	State the main skin characteristics of different skin types. <input type="checkbox"/>		
<b>2c</b>	Outline the basic structure of the hair. <input type="checkbox"/>	Describe the structure of the hair and the different hair types and characteristics. <input type="checkbox"/>	
<b>2d</b>	State the main characteristics of different hair types. <input type="checkbox"/>		
<b>3a</b>	Produce a formulation ensuring appropriate choice of ingredients for the desired effect. <input type="checkbox"/>	Describe the key principles used to combine ingredients to define your cosmetic product, and the benefits of your formulation for the given skin/hair type. <input type="checkbox"/>	Justify the formulation devised for your cosmetic product including choice of ingredients and substances, in terms of compatibility, stability, preservation and effectiveness. <input type="checkbox"/>



<b>Assessor Final Justification:</b>	<b>Final Grade:</b>
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<b>Marker/Assessor Name:</b>	<b>Date:</b>	<b>Signature:</b>
<b>Internal Moderator Final Justification:</b>		<b>Final Grade:</b>
<b>Internal Moderator Name:</b>	<b>Date:</b>	<b>Signature:</b>