

# **SUBJECT: NAIL PRODUCT CHEMISTRY SIMPLIFIED**

## **LESSON OBJECTIVES:**

Upon completion of the lesson, the student will be able to:

- Understanding the basic chemistry of salon products.
- Explain adhesion and how adhesives work.
- Identify the two main categories of nail coatings.
- Describe the basic chemistry of all artificial nail enhancements.
- Describe the overexposure principle and its application to nail care products.

Inspirational thought for the day: “Only those who dare to fail greatly can ever achieve greatly.” – Robert Francis Kennedy

## **I) Understanding Chemicals**

Fumes and Vapors

- Gas
- Vapor
- Evaporate
- Fumes

## **II) Adhesion and adhesives**

A) Adhesives

B) Primes

- Corrosive
- Nonacid
- Acid-free

C) A Clean Start

## **III) Fingernail Coatings**

A) Monomers and Polymers

- Polymerizations
- Cure
- Curing
- Hardening
- Monomers

B) Understanding Polymerizations

- Initiator
- Oligomers

C) Simple Versus Cross-Linking Polymer Chains

- Simple Polymer Chains
- Cross-linker

D) Evaporation Coatings

E) “Better for the Nail” Claims

F) Protect Yourself

## **IV) The Overexposure Principle**