

A1.01.01.- Activity Card

Workshop Title	A1.01.01. Science Experiment
Level	A1
Duration	3 hours
Goals	Using indicators to make Acid-Base differentiation
Workshop Outputs	<ol style="list-style-type: none"> 1- Determining whether a substance is acidic or basic. 2- Learning the degrees of acidity and alkalinity. 3- Principles of operation of indicators.
Required Materials	<ol style="list-style-type: none"> 1- Red cabbage 2- Litmus paper 3-pH Meter 4- 6 pieces of beaker 5- Lemon juice, bleach, salty water, alcohol, baking soda, and clean water.
Description of Activity	In this activity, theoretical definitions of acids and bases are provided, and their ranking is demonstrated on a pH meter. Acid-base classification is performed using indicators such as litmus paper and red cabbage juice. To assess the degrees of acidity and alkalinity, pH meter strips are employed for precise measurements.
Additional Documents	A1.01.01.pdf