

Teaching Kit on Chemical Testing for New Senior Secondary Curriculum

The Innovation and Technology Commission and the Hong Kong Council for Testing and Certification have commissioned Hong Kong Baptist University to develop a teaching kit for use by senior secondary Chemistry teachers. The purpose is to raise the awareness of testing and certification among secondary students through introducing basic chemical testing concepts in class.

The six experiments include :

- Determination of NO₂ in Air: Air Pollutant Analysis;
- Analysis of Copper in Wastewater;
- Determination of SO₂ in Dried Food Using Optimized Monier-Williams Method;
- Is the Dairy Product Safe? Gold Nanoparticles as a Visual Detection Tool of Melamine;
- Differentiation of Chinese Herb Danshen from Other Similar Herbs Using Facile Test-Tube Scale Chemical Test Method;
- Determination of Vitamin C in Commercial Sample and Fresh Fruit Juice by Iodometric Titration

The Teachers' Guide, Student Laboratory Manual and Experiment Introduction Videos can be downloaded at <http://www.hkctc.gov.hk/en/work.html#d>.

