POPULARIZING A/L CHEMISTRY PRACTICAL AMONG TEACHERS AND STUDENTS BY INTEGRATING CONCEPTS AND USING WASTE MATERIALS EFFECTIVELY

A PROJECT REPORT PRESENTED BY

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Abstract

Popularizing A/L Chemistry Practical among Teachers and Students by Integrating Concepts and Using Waste Materials Effectively

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Chemistry is the most important subject in A/L subject scheme. Laboratory work is an essential part of learning chemistry. Because only through the laboratory activities student can gain an insight of the process involved in development of the body of knowledge of chemistry.

But the cost of apparatus, breakages and rising cost of chemicals are often in acts as a barrier in carrying out practical work at school levels. Most researches have focused on effectiveness of laboratory works. According to my seven years experience in teaching chemistry, there are few weaknesses in practical activities conducted in schools. For example students show weakness of good and creative thinking style, good understand about interconnection of scientific knowledge and day to day experience, and lack interpersonal skills.

Therefore a basic survey was designed for identifying issues of practical work. Majority of the students suggested that practical work should be related to day to day life activities and the theories of different sections should be interconnected. Therefore this research suggests few amendments to the practical curriculum. These amendments are tested in selected schools and results are evaluated to find the possibility of development of the practical curriculum.