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**INTRODUCING ATOMIC STRUCTURE TO
ADVANCED LEVEL STUDENTS THROUGH
THEIR ACTIVE PARTICIPATION IN
THE LEARNING PROCESS**

A PROJECT REPORT PRESENTED

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ABSTRACT

Atomic structure, an important topic in the A. Level chemistry syllabus, includes concepts that are difficult for students to comprehend, and even experienced teachers face difficulties in teaching this section.

In this report a teacher guide for the sub unit "The existence of energy levels in an atom" – Under the structure of atom unit in the A. Level chemistry syllabus – was prepared.

A survey was conducted among students and teachers to identify difficulties in learning and teaching this topic. Results of the survey and current knowledge on this section were used for the preparation of the teacher guide, which includes the use of several types of models, use of pretests, assignment cards and self-assessment questions and analogies from day to day life experiences, which provide opportunities for active participation of students in the classroom to facilitate them to understand the relevant concepts.