

SUMMARY OF THE DISSERTATION

PhD candidate : Nguyen Duc Huan

Fellows code: 1722003

Major : Education Science

Major code: 2017 - 2020

Dissertation title: Organizing experiential activities in teaching natural science subjects in the direction of developing problem-solving capacity for junior high school students.

Supervisor one : PGS. TS Vu Trong Ry

Supervisor two : PGS. TS Ngo Anh Tuan

SUMMARY

The general education program 2018 is oriented towards the development of student capacity, so the innovation of teaching methods oriented towards the development of student capacity is inevitable. Organizing experiential activities in teaching is considered as one of the important ways to form and develop students' capacity. With the goal of determining the scientific and practical basis and proposing the process of organizing experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for junior high school students, the thesis The project focuses on analyzing the overview and theoretical basis system on the organization of experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for junior high school students. Determining objectives, contents, methods, forms and means, building criteria and scale of problem solving capacity, requirements of organization of experiential activities in teaching natural science towards developing problem-solving capacity for junior high school students.

On the basis of theory, conduct a survey to assess the actual situation of organizing experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for students at 25 junior high schools in the region. Table of provinces/cities in the South. Implement application, pedagogical experimentation, the process of organizing experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for junior high school students, to verify research results. The thesis content includes the following main parts:

Introduction: Presenting reasons for choosing the topic, objectives, objects, objects, research hypotheses, research tasks, research scope limitations, research methods, scientific contributions, practical Thesis and structure of the thesis.

Chapter 1: Overview of studies related to the thesis topic to clarify the history of the research problem from the past to the present, the overview research results are the basis for determining the direction of research and development. Theoretical framework of the thesis.

Chapter 2: Theoretical basis for organizing experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for junior high school students, including the following basic issues: related concepts, a system of some theories on organizing experiential activities in the direction of developing problem-solving capacity, building evaluation criteria for problem-solving capacity scales for junior high school students. Basic, general characteristics of natural science subjects in junior high school.

Chapter 3: Survey and evaluate the actual situation of organizing experiential activities in teaching Natural Science in the direction of developing problem-solving capacity for students, including: The cognitive status of managers and teachers on the role of organizing experiential activities in teaching Natural Science; The reality of determining the goals, contents, methods, forms and locations of experiential activities, testing and evaluating learning results through experiential activities of students; The current situation of problem solving ability of 6th grade students in junior high school.

Chapter 4: Organizing experiential activities in teaching Natural Science 6 in the direction of developing problem-solving capacity for students, including: Requirements and application of the process of organizing experiential activities in teaching studying Natural Science 6 in the direction of developing students' problem-solving capacity; Building a scale of problem solving ability for students in teaching Natural Science; Illustrated lesson plan with the theme "energy".

Chapter 5: Pedagogical experiment to implement research results into the practice of teaching Grade 6 Natural Science in junior high schools. Thereby evaluating the effectiveness of the organization of experiential activities in teaching Natural Science in grade 6 towards developing problem-solving capacity for students and testing research hypotheses, initially giving results. very positive results.

Finally, the conclusion is concluded about the effectiveness of the research results and it is recommended to regularly implement the research results by organizing experiential activities in the practice of teaching Natural Science at junior high schools.