

Original Research Article

## Managing the Teaching Activity of Natural Science Subjects in Grade 6 at Secondary Schools in Bien Hoa City, Dong Nai Province

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**Abstract:** Improving the quality of teaching natural science for grade 6 pupils, according to the 2018 General Education Program at secondary schools, is mandatory. Management activities are necessary to improve the quality of teaching. The tasks and purposes of this study are to analyze and evaluate the current status of management activities, find out the limitations and causes of the limitations, thereby proposing management measures to improve the quality of teaching Natural Science in grade 6 according to the 2018 General Education Program at secondary schools in Bien Hoa city, Dong Nai province. This study conducted a survey of 114 people including 20 board of directors, management staff, and 94 teachers of secondary schools according to the following contents: (i) Survey on awareness; (ii) Survey on planning; (iii) Survey on organizing teaching activities; (iv) Survey on directing teaching activities; (v) Survey on testing and evaluating teaching activities. The survey, combined with qualitative research, helps to correctly assess the current situation, limitations, and causes of limitations, which is the basis for perfecting management measures to improve the quality of teaching Natural Sciences for grade 6 according to the 2018 General Education Program at secondary schools, thereby contributing to the comprehensive development of educational quality and pupil capacity in Bien Hoa city, Dong Nai province.

**Keywords:** Management of teaching activities, Natural Sciences for grade 6, 2018 General Education Program, secondary schools, Bien Hoa city.

## INTRODUCTION

The 2018 General Education Program was announced by the Ministry of Education and Training in 2018, with a change in thinking and educational methods from imparting knowledge to orienting the comprehensive development of pupils' qualities and abilities. In particular, the Natural Science subject is taught for the first time in secondary schools, including knowledge streams of physics, chemistry, biology and earth science (Ministry of Education and Training, 2018). Teaching Natural Science subject at the secondary school level is consistent with the general development of education in the world; the 2019 Education Law clearly states that secondary education ensures that pupils have a basic general education.

Bien Hoa city is an important economic center of Dong Nai province, increasingly demonstrating the need for a workforce with high skills and expertise, especially in science and technology. Along with the development and innovation of education, the teaching of Natural Science subjects plays a particularly important role. Improving the quality of Natural Science teaching management is a key factor in improving the quality of workers while contributing to the sustainable economic development of the locality.

The teaching of Natural Science subjects is carried out in a direction that is consistent with the goals and requirements of educational innovation. The knowledge of the subject is close and practically applicable, thereby helping pupils to be interested in learning. This not only helps pupils absorb knowledge effectively but also promotes and

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maximizes the capacity and qualities of pupils. Although the implementation process has achieved certain results, there are still some issues that need to be carefully considered and resolved. The most notable point is the assessment of the professional knowledge level of teachers, and whether teachers have the necessary capacity and skills to meet the requirements set by the new curriculum. In addition, the facilities also need to be considered; schools are not fully and synchronously equipped with the necessary equipment and resources, especially modern and advanced technologies, to support the teaching of Natural Sciences subject most effectively. Therefore, strict and effective management of Natural Sciences subjects teaching activities becomes extremely important, as an indispensable part of the effort to improve the quality of education of the Natural Sciences subjects in particular and the quality of pupil education in general. Based on the above reasons, the author chose the topic “management of natural sciences teaching activities according to the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province” as the research topic. The main objective of this topic is to improve the effectiveness of Natural Science subjects teaching management in secondary schools, thereby contributing to the comprehensive development of education quality and pupil capacity. This not only has a positive impact on the training of high-quality human resources in the locality but also supports the sustainable development of the region in the context of modern economy and society.

## LITERATURE REVIEW

### *Natural Science subjects in grade 6:*

Natural Science subjects in grade 6 study objects, phenomena, and processes in nature, based on the foundation of physics, chemistry, biology, and Earth science for grade 6 pupils (Ministry of Education and Training, 2018).

### *Teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program in secondary schools:*

From the above concepts, the teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program at secondary schools can be understood as the process of impact of teachers teaching Natural Science subjects in grade 6 pupils through educational activities to impart natural science knowledge to achieve the educational goals of the 2018 General Education Program.

Teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program at secondary schools are built to develop the qualities and natural science capacity for grade 6 pupils. The program includes content about the transformation of matter, living things, energy and transformation, the Earth and the sky.

### *Managing the teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program in secondary schools:*

In each area of society, human survival and progress are determined by the efforts of organizations. K. Marx once presented in his work as follows: “All directly social or communal labor on a relatively large scale leads to a more or less directed and harmonious coordination of individual activities and to the performance of general functions that have their origin in the motion of the total productive organism as distinct from the motion of its separate organs. A solo violinist controls himself, but an orchestra needs a conductor” (K. Marx and F. Engels, Complete Works, 1993).

According to Paul Hersey and KenBlanc Heard (1995) in the book “Human Resource Management”, “Management is a process of working together between the Manager and the Managed to mobilize other resources through individual and group activities to achieve the organization’s goals.” Nguyen Quoc Chi, Nguyen Thi My Loc (2014) said: “Management is the process of achieving the organization’s goals by applying activities (functions), planning, organizing, directing (leading) and controlling” (General Management Science, 2014). According to Pham Van Thuan, Nguyen Dang An Long (2021): “Management is the purposeful and planned impact of the Manager on the Management object to achieve the set goals”. According to Hang, *et al.*, (2020), “Management is a purposeful activity of the management subject, affecting the management object”. According to Duchiep, *et al.*, (2022), “management is a goal-oriented human activity”. According to Hong, V.V. (2022) & Vu, H.V. (2023), “Management is the process of rearranging the structure of an organization, unit, operating according to a set plan.

Thus, managing the teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program at secondary schools is the targeted and targeted impact of the Principal on the management object through planning, organizing, directing and evaluating to achieve the educational goals of Natural Science subjects in grade 6 according to the 2018 General Education Program at the secondary school level.

## RESEARCH METHOD

### *Questionnaire survey method:*

Purpose: Used to collect information on the current status of teaching activities of Natural Science subjects in grade 6 and Management of teaching activities of Natural Science subjects in grade 6 for pupils of secondary schools in

Bien Hoa city, Dong Nai province; testing the proposed system of solutions for Managing teaching activities of Natural Science subjects in grade 6 and surveying opinions on the quality of organization experimental activities.

Content: Survey on the current status of teaching Natural Science subjects in grade 6 pupils in secondary schools in Bien Hoa city, Dong Nai province.

*Survey form:*

**Survey Objective:** To help accurately assess the teaching situation of Natural Science subjects in grade 6 in secondary schools in Bien Hoa city, Dong Nai province; on that basis, propose measures to organize and manage teaching activities of Natural Science subjects in grade 6 in secondary schools to improve the quality of teaching the subject in the locality.

**Survey Content:** Survey on the current status of teaching management of Natural Science subjects in grade 6 in secondary schools in Bien Hoa city, Dong Nai province.

**Survey Subjects:** 20 people are the Board of Directors, Management staff and 94 teachers of secondary schools.

**Survey Scope:** Secondary schools in Bien Hoa city, Dong Nam province.

**Survey Method:** Through survey forms; through direct interviews with relevant subjects.

**Scale Convention:** Quantitative data is encoded and processed using Excel and SPSS 21.0 software with descriptive statistics techniques. To facilitate the evaluation and analysis of data reasonably and scientifically, the information collected from the status survey is conventionally based on the average value in the Likert 5 scale with the interval value = (Maximum – Minimum)/n = (5-1)/5 = 0.8. The average values in the scale are conventional as follows: From 1-1.8: Not necessary/Not important; From 1.81-2.6: Less necessary/Less important; From 2.61-3.40: Quite necessary/Quite important; From 3.41-4.2: Necessary/Important; From 4.21-5: Very necessary/Very important.

## RESEARCH RESULTS AND DISCUSSION

### **The Current Status of Awareness of the Importance of Natural Science Teaching Management for Grade 6 According to the 2018 General Education Program in Secondary Schools in Bien Hoa city, Dong Nai Province**

The survey results show that awareness of the importance of Natural Science teaching management for grade 6 is highly appreciated, with an average score of 3.80 at the level of Fairly agree. Specifically, the awareness that “Good management of Natural Science subjects in grade 6 activities maximizes educational resources” achieved the highest average score of 3.98, ranking first. Of these, only 1.8% rated Disagree, 7.0% Slightly agree, while the majority rated at the levels of Fairly Agree (39.5%) and Strongly Agree (34.2%).

The perception that “Good management of Natural Science subject in grade 6 activities helps ensure that teaching and learning activities take place following educational standards and regulations” has an average score of 3.73, ranking second. Notably, only 4.4% rated Disagree and 8.8% Slightly Agree, while the majority Moderately Agree (21.9%), Fairly Agree (39.5%), and Strongly Agree (25.4%).

Finally, the perception that “Good management of Natural Science subjects in grade 6 activities facilitates the comprehensive development of pupils” has an average score of 3.70, ranking third. Of which, 2.6% rated Disagree, 10.5% Slightly Agree, 26.3% Moderately Agree, 35.1% Fairly Agree, and 25.4% Strongly Agree.

These figures emphasize that the majority of teachers are aware of the important role of good management in improving the quality of teaching and learning, as well as in the comprehensive development of pupils.

### **The Current Situation of Developing Teaching Plans for Natural Science Subjects in Grade 6 According to the 2018 General Education Program in Secondary Schools in Bien Hoa City, Dong Nai Province**

The survey results show that the development of teaching plans for Natural Science subjects in grade 6 is rated as Good with an average score of 4.31. The above figures show that secondary schools in Bien Hoa city have prepared and developed quite good plans for teaching activities for Natural Science subjects in grade 6.

The results of the school’s annual plan development show that this factor is rated highest with an average score of 4.40; no assessment is at the level of Poor or Weak, and only 2.6% are rated as Average. While the majority rated it as Fair 35.1% and Good 53.5%. This shows the school’s thorough preparation and clear strategy in building the school year plan.

Planning by the professional team and teachers of the Natural Science subjects in grade 6, this factor has an average score of 4.30, ranking second. No assessment reached the Poor level; 3.5% rated it as Weak; 13.2% rated it as Average while the majority rated it as Fair 33.3% and Good 50.0%. This shows the good coordination and preparation of the professional team and subject teachers.

Developing a plan to manage teaching activities in the Natural Science subjects in grade 6 in the classroom, this factor has an average score of 4.31, ranking third. No assessment reached the level of Poor; 4.4% assessed it as Weak; 10.5% assessed it as Average while the majority assessed it as Fair 35.1% and Good 50.0%, which shows the focus on managing and coordinating teaching activities in the classroom. Developing a plan to manage the implementation of the Natural Science subject program for grade 6 and improve the effectiveness of classroom hours, this factor also has an average score of 4.30, ranking second. No assessment reached the level of Poor; 2.6% assessed it as Weak; 15.8% assessed it as Average while the majority assessed it as Fair 30.7% and Good 50.9%. This shows the effort to improve the effectiveness of teaching and managing the implementation of the curriculum

Developing a plan for the use and maintenance of facilities and teaching equipment, this factor has an average score of 4.23, ranking fourth. No assessment reached the Poor level; 1.8% assessed it as Weak; 17.5% assessed it as Average while the majority assessed it as Fair 36.8% and Good 43.9%. This shows the focus on the use and maintenance of teaching equipment, an important factor in ensuring the quality of teaching.

### **The Current Situation of Organizing Teaching Activities for Natural Science Subject in Grade 6 According to the 2018 General Education Program in Secondary Schools in Bien Hoa city, Dong Nai Province**

The survey results show that: Schools have focused on updating and implementing policies and guidelines on innovation in education and training and the viewpoint on building the Natural Science subject program. According to the survey, 28.1% of participants rated this level of implementation as good and 43.9% rated it as fair, showing a significant interest in equipping teachers with new knowledge. The average score for this content was 3.92, showing that this work was performed at a fair level, ranking third among the survey contents.

The assignment of expertise was carried out quite effectively, with 28.1% rating it as good and 48.2% rating it as fair. The average score for this activity was 3.97, ranking second among the survey contents. This reflects the efforts of schools in optimizing teachers' capacity, ensuring the appropriateness between expertise and assigned work, and contributing to improving teaching quality.

The work of building discipline in teaching was assessed quite positively with 29.8% rating it as good and 35.1% rating it as fair. However, 7.0% rated it as poor, indicating that there is still room for improvement in this area. The average score was 3.84, ranking fourth, reflecting that the level of discipline and teaching order is at a fair level but needs to be further strengthened.

Although there has been progress in innovating teaching methods, the survey results showed that 25.4% rated it as good and 35.1% rated it as fair, the average score was only 3.75, the lowest among the survey contents and ranked fifth. This shows that more efforts are needed to fully meet the requirements of innovation, helping pupils access knowledge more effectively and creatively.

Professional development activities for teachers were at a fair level with 22.8% rating it as good and 43.9% rating it as fair. The average score for this content was 3.75, equal to the score for innovating teaching methods, and also ranked fifth. This shows that although there has been attention, it is necessary to continue to strengthen training activities to improve teachers' professional capacity.

The management and use of facilities and teaching equipment is the highest rated, with 28.9% rating it as good and 48.2% rating it as fair. The average score is 4.00, ranking first in the survey content. This is a bright spot in the organization of teaching, showing the effectiveness in the use and preservation of educational resources, and contributing to actively supporting the teaching and learning process.

The average score of the survey contents is 3.87, which is in the good range. This reflects that secondary schools in Bien Hoa city, Dong Nai province have achieved positive results in organizing teaching activities for Natural Science subjects in grade 6 according to the 2018 General Education Program.

### **The Current Situation of Directing Teaching Activities for Natural Science Subjects in Grade 6 According to the 2018 General Education Program in Secondary Schools in Bien Hoa city, Dong Nai Province**

The work of directing and assigning tasks and arranging professional skills for Natural Science teachers for grade 6 achieved an average score of 3.16, which is in the average range (2.61 to 3.4). Although a relatively high proportion

(35.1%) rated it as average and 26.3% as good and 12.3% as good, there were still 17.5% and 8.8% rated it as weak and poor, respectively. This shows the need for improvement to further enhance the rationality and efficiency in professional assignments, ensuring consistent teaching quality.

With an average score of 3.04, the direction of professional group activities was also only average. The assessments showed that 26.3% thought that this level of direction was average, while 24.6% rated it as good and 14.0% as Good. However, the Weak (21.9%) and poor (13.2%) levels were still quite high, indicating that support and capacity development of professional groups need to be focused on to improve the effectiveness of professional direction and management.

The average score of 3.18 shows that the direction of implementing the program and teaching plan of the Natural Science Subject is at an average level. The survey results indicate that there is some progress in implementing the program, but 15.8% and 10.5% are still rated as Weak and Poor.

The direction of innovating teaching methods achieved an average score of 2.88, also within the average level. However, the rate of Poor (17.5%) and Weak (19.3%) assessments is quite high, indicating that there are significant challenges in applying new teaching methods.

With an average score of 2.94, the direction of professional development activities of the Natural Science Subject is also only at an average level. This shows the need to improve the quality of training programs, to help teachers update new knowledge and skills, better meeting the requirements of modern education programs. In particular, reducing the rate of Weak (17.5%) and Poor (13.2%) assessments is an urgent priority.

The average score for the direction of use and maintenance of facilities and teaching equipment is 3.13. Although there are Fair (26.3%) and Good (11.4%) assessments, the rate of average (36.8%), Weak (14.9%), and Poor (10.5%) assessments are still high. This indicates that measures are needed to strengthen the management and maintenance of facilities to better support teaching activities.

The average score of the survey contents is 3.06, showing that the quality of directing the teaching of Natural Science subjects in grade 6 at secondary schools in Bien Hoa city is average. Specific measures are needed to improve the quality and effectiveness of direction in managing the teaching of Natural Science subjects in grade 6 at Long Binh secondary schools, in Bien Hoa city.

### **The Current Status of Inspection and Evaluation of Teaching Activities of Natural Science Subject According to the 2018 General Education Program at Secondary Schools in Bien Hoa city, Dong Nai Province**

According to the survey results, the inspection of activities and reports of professional groups at secondary schools in Bien Hoa city achieved an average score of 2.51, classified as Weak. Of these, 17.5% of teachers rated this work as Poor, 26.3% rated it as Weak, and the majority (43.9%) rated it as Average. Only 12.3% of teachers rated this work as Fair and no one rated it as Good. This shows that despite efforts in inspection and reporting, there are still many limitations that need to be improved to enhance management quality.

The average score for teachers in checking lesson preparation and class preparation was 2.33, which is considered Weak, and is the criterion with the lowest score in the survey. Specifically, the percentage of teachers who rated this work as Poor was 21.9%, Weak was 35.1%, and Average was 30.7%. Only 12.3% of teachers rated it as Fair and none rated it as Good.

The criterion for checking the implementation of the curriculum had an average score of 2.75, which is considered Average, and is the criterion with the highest score in the survey. Of which, 13.2% of teachers said that this work was Poor, 17.5% rated it as Weak, while the majority rated it as Average (52.6%) and Good (16.7%).

The average score of the survey criteria was 2.57, which is considered Weak, reflecting many shortcomings in the inspection and assessment of Natural Science teaching at secondary schools in Bien Hoa city, Dong Nai province. To improve the quality of teaching, more comprehensive solutions need to be implemented.

### **General Assessment**

#### *Advantages and causes:*

Based on the results of a survey conducted with 114 managers and teachers in Bien Hoa city, Dong Nai province, on the practice of teaching and managing Natural Science for grade 6 according to the 2018 General Education Program, many outstanding advantages were noted. These strengths reflect not only the readiness of the teaching staff and managers

to adapt to the new program but also the effectiveness in implementing the proposed educational goals. The following are the main strengths drawn from the survey:

The management staff and teaching staff at Bien Hoa are assessed as meeting or exceeding the standards according to the regulations of the Ministry of Education and Training on professional title standards. This ensures that the management staff and teaching staff have the necessary professional qualifications and skills to perform educational tasks. In addition, with diverse working experience, the team demonstrates a love for the profession and a high sense of responsibility, contributing to creating a positive and effective learning environment for pupils.

The teachers and management staff have successfully implemented the objectives of the Grade 6 Natural Science program, including imparting basic knowledge, and developing skills and positive attitudes for pupils. This success demonstrates an effective training and teaching capacity development strategy, helping pupils grasp knowledge broadly and comprehensively.

The teachers have applied a variety of teaching methods, from traditional to modern. Flexibility and diversity in teaching methods help stimulate creative thinking and improve pupils' ability to work in groups and solve problems. This not only meets diverse learning needs but also fits modern educational trends.

Managers and teachers have a deep awareness of important factors such as the management capacity of the Principal, the professional qualifications and moral qualities of teachers, and the learning capacity and attitude of pupils. In addition, the team also clearly understands the role of facilities, teaching equipment, educational policies and support from families and the community. This awareness helps to orient and optimize management and teaching activities to achieve the highest efficiency.

Managers and teachers have recognized the importance of managing teaching activities. They not only ensure consistency and continuity in the implementation of the program but also create favorable conditions to solve arising problems in a timely and effective manner. This ensures a stable and quality learning environment for pupils.

The principal has developed detailed and scientific teaching plans for Natural Science subjects in grade 6, including time allocation, selection of appropriate content and organization of supplementary learning activities. This plan is implemented consistently and effectively, helping to maximize the quality of Natural Science subject subjects in grade 6.

The process of organizing and implementing teaching activities has gone smoothly, thanks to the clear assignment of tasks and close monitoring from the Principal and the management team. Thanks to that, teaching progress is ensured and a positive learning environment is created, helping pupils maximize their potential.

The above advantages not only reflect the quality of management and teaching at Bien Hoa but also demonstrate the success of implementing the new General Education Program. This is a solid foundation for continuing to improve and enhance the quality of education, meeting the increasingly high demands of society and international integration.

#### *Limitations and causes:*

Awareness of the position and role of teaching activities and the teaching of some knowledge content in Natural Science in grade 6 still has many limitations. The reason is that the teaching staff is trained in a single or dual major, has no experience and does not have a thorough understanding of Natural Science in grade 6. Which, the knowledge of the Earth and the sky belongs to the specialized scope of General Geography, which is very difficult for teachers to grasp in time.

The work of directing the teaching activities of Natural Science subjects in grade 6 still has many shortcomings. The reasons are that the professional level of teachers does not meet the requirements of the subject, leading to difficulties in adjusting the balance of the program, the facilities and teaching equipment are not uniform, many schools lack teachers locally, especially teachers teaching the knowledge of living things (Biology), schools have not focused on developing a team of teachers to meet the requirements of the future, mainly training a team to meet the current requirements, etc.

The work of checking and evaluating the teaching activities of Natural Science in grade 6 is not effective, most of them only stop at the level of administrative checking and evaluation but not substantial. There are many reasons for the above results such as the lack of uniformity in assessment tools, the number of tasks of the Principal is too much, the assessment is still too considerate, highly emotional, etc.

### **Proposed Solutions**

*First, raise awareness of the position and role of teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province:*

The goal of this measure is to affirm and strengthen the awareness of managers and teachers about the importance of Natural Science subjects in grade 6 in the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province. By raising awareness of the value and role of the subject, this measure aims to improve the quality of teaching, thereby contributing to the completion of educational goals, and meeting the requirements of the times.

The school board needs to implement and thoroughly understand the directives from the Department of Education and Training, Bien Hoa city; as well as the Department of Education and Training, Dong Nai province related to the 2018 General Education Program, focusing on the viewpoint of building the Natural Science subject program. This helps managers and teachers have a correct understanding of the important position and role of the subject, thereby actively contributing to the country's educational innovation. Diversify the forms of propaganda and dissemination through professional activities, professional group activities, and professional group activities to raise awareness of the position and role of teaching Natural Science subjects in grade 6 according to the 2018 General Education Program at secondary schools in Bien Hoa city, Dong Nai province.

In addition, the use of digital tools and social networks as a channel of information and propaganda is important. Building online forums, and exchanging information between the Board of Directors, key teachers, and subject teachers to help answer questions quickly, clearly demonstrating the spirit of mutual learning. From there, clarify the role and responsibility of teachers in improving the quality of teaching activity Natural Science.

*Second, fostering teachers' professional capacity to meet the requirements of Natural Science subjects in grade 6 according to the 2018 General Education Program of secondary schools in Bien Hoa city, Dong Nai province:*

Natural Science subjects in grade 6 are a new subject for secondary school teachers. The training major of teachers teaching Natural Science does not meet the teaching requirements of Natural Science subjects in grade 6. This measure aims to improve the professional capacity of subject teachers to meet the teaching requirements of Natural Science subjects in grade 6 according to the 2018 General Education Program and to improve the quality of education at secondary schools in Bien Hoa city, Dong Nai province.

The school board must establish a detailed professional capacity development plan to improve the knowledge and teaching skills of teachers of Natural Science subjects in grade 6, with the specific goal of ensuring that teachers master and effectively apply for the 2018 General Education Program. This plan will include training content on updating professional knowledge, modern teaching methods, pupil assessment skills and soft skills development. Participants are all teachers teaching Natural Science for Grade 6 at secondary schools in Bien Hoa city. The specific time and location will be determined after consulting with teachers and considering the actual conditions of each school.

The principal will assign someone to be responsible for preparing teaching materials and tools, ensuring that teachers have enough resources to access and learn. Training courses are conducted by reputable university lecturers to provide professional knowledge for teachers teaching Natural Science in grade 6. The school board will monitor the training process of teachers, ensuring that teachers are fully supported throughout the process. This includes providing specific instructions on how to apply new knowledge and teaching methods into teaching practice. The board of directors assigns tasks to the person who will support teachers in implementing new methods, providing necessary documents and instructions so that they can confidently apply these improvements in the classroom.

*Third, strengthen the direction of teaching activities of Natural Science subjects in grade 6 according to the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province:*

The objective of this measure is to improve the quality of the direction of the Principal in teaching activities of Natural Science subjects in grade 6, ensuring the educational goals of the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province

The Principal assigns tasks to the right person, the right job, the right professional capacity and experience throughout the process of managing the teaching activities of Natural Science subject 6 according to the 2018 General Education Program. During the management process, the Principal must collect feedback on the difficulties, advantages, and benefits of teaching Natural Science subjects in grade 6 from different channels. The collected information must be carefully considered and selected to make appropriate adjustment decisions. However, only adjust when necessary, to avoid arbitrarily causing negative impacts. In addition, avoid missing opportunities, and do not be conservative in the management process.

The principal needs to motivate to promote the endless potential of teachers and staff. Create a real motivation to promote the learning, action and teaching process of teachers of Natural Science subjects in grade 6. In the management process, the principal can apply rewards and punishments as motivation.

*Fourth, innovation in testing and evaluation of teaching activities of Natural Science subject in grade 6 according to the 2018 General Education Program in secondary schools in Bien Hoa city, Dong Nai province:*

This measure aims to improve the quality of teaching Natural Science subjects in grade 6 by improving testing and evaluation methods. Innovation in testing and evaluation approaches helps ensure that teaching activities meet the requirements of the 2018 General Education Program. One of the important goals is to provide accurate and valuable feedback to teachers on the effectiveness of teaching Natural Science subject in grade 6. This not only helps identify and promote strengths but also identifies and improves remaining weaknesses.

In addition, innovation in testing and evaluation also aims to create a transparent and fair evaluation system, helping schools have an accurate database to build long-term development plans. Testing and evaluation should be carried out continuously and planned and must be scientific and reasonable. This will help ensure accuracy and high efficiency in the evaluation process. The content and methods of testing should be designed to accurately reflect the teaching capacity and effectiveness of teachers. Managers need to regularly monitor this process, ensure that testing activities are carried out according to the correct procedures and make timely adjustments when problems or shortcomings are detected.

Evaluation criteria should be developed and assigned specifically to each staff member and teacher in charge, possibly including the vice principal of subject matter and subject group leaders. Teachers teaching Natural Science in grade 6 should be involved in the testing and evaluation process to ensure fairness and objectivity. Diversifying the forms of testing and evaluation is very important, helping to provide a comprehensive and holistic view of the teaching process. In addition, it is necessary to organize preliminary and final review sessions to publicly announce the evaluation results, helping teachers recognize their strengths and weaknesses, thereby improving themselves.

## CONCLUSION

In the context of educational innovation, the management of Natural Science teaching activities in secondary schools plays an important role in improving the quality of education. The results show that despite positive initial steps, the management of teaching activities still has many limitations. The study has proposed several important measures such as training and fostering teaching capacity for teachers, developing teaching plans for science, coordinating with internal and external forces, strengthening monitoring and evaluation of teaching activities, etc. The most notable point is the assessment of the professional knowledge level of teachers, and whether teachers have the necessary capacity and skills to meet the requirements set by the new curriculum. In addition, facilities also need to be considered; schools are not fully and synchronously equipped with the necessary equipment and resources, especially modern and advanced technologies, to support the teaching of Natural Sciences most effectively. Therefore, strict and effective management of Natural Sciences teaching activities becomes extremely important, as an indispensable part of the effort to improve the quality of education of the Natural Sciences subjects in particular and the quality of pupil education in general.

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