Investigation and Application Examples for Modern Energy Education

Abstract
Energy is the ability to do work and is an integral part of our daily lives. Running out of energy and our society would decay to pre-historic age. Current economy is heavily dependent upon fossil fuels and teaching energy ethics to conserve limited resources are essential to our future. In recent years, many countries have paid more attention to the issue of energy education due to energy shortage problem. In this paper, we do not only discuss the resource of the energy education, but also investigate the application examples of relative research scheme in Taiwan of recent years. These results provide useful information for the curriculum design of energy education instructor.

Key Words: energy education, energy management, instruction of thematic topic, application examples.

1. Introduction

The modern energy education is a contemporary subject that should be taught in schools. In many countries, energy education is considered as an important part of the curriculum. The purpose of energy education is to raise awareness about the importance of energy conservation and the need for sustainable energy management.

2. Energy Education in Taiwan

In Taiwan, energy education has been integrated into the curriculum at various levels of education. The Ministry of Education has released guidelines for energy education, which emphasize the importance of teaching students about energy conservation and sustainable energy management. Teachers are encouraged to incorporate energy education into their lesson plans, and there are resources available to support energy education.

3. Application Examples

One example of an application of energy education in Taiwan is the "Green School" program, which encourages schools to adopt sustainable practices and incorporate energy conservation into their daily operations. Another example is the "Energy Smart School" program, which provides schools with resources and support to help them become more energy-efficient.

4. Conclusion

Energy education is an essential part of modern education. It is important to integrate energy education into the curriculum to raise awareness about the importance of energy conservation and sustainable energy management. With the support of government initiatives and resources, energy education can be effectively implemented in schools across Taiwan.

References

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