

STEM 教育中的电子信息课程开发

摘 要

电子信息技术在我国的发展有着关键性的现实性意义。为培养电子信息技术人才，针对初中学生开发 15 套趣味电路和配套 PPT 课件讲义。将电子信息技术相关知识融合在 STEM 教育中。注重培养学生用科学、技术、工程、数学等知识解决问题，让学生发现生活中遇到的电路知识相关的现象，通过现象提出问题与假设，再动手搭建电路验证自己的想法，从而对电子信息技术产生兴趣。

关键词：电子信息技术；STEM 教育；电路；模块

Abstract

The development of electronic information technology in China has a key practical significance. In order to train electronic information technology talents, 15 sets of interesting circuits and supporting PPT courseware handouts were developed for junior middle school students. Integrate the knowledge related to electronic information technology into STEM education. Pay attention to training students to use science, technology, engineering, mathematics and other knowledge to solve problems, let students find the phenomena related to circuit knowledge encountered in life, put forward questions and hypotheses through the phenomena, and then start to build circuits to verify their ideas, so as to become interested in electronic information technology.

Key Words: Electronic information technology ; STEM education ; circuit ; module

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