

Modular Mobile Training: Developing a Program on Science and Technology Experiments

Mustafa EROL^{1*} Semra DEMİR² & Uğur BÖYÜK²

¹Bozok University, Faculty of Science and Arts, Department of Physics, 66200, Yozgat, Turkey

²Erciyes University, Faculty of Education, Department of Science Education, 38039, Kayseri, Turkey

*mustafa.erol@bozok.edu.tr

Abstract. *In this study, a professional training program has been developed in accordance with the experimental professional training needs of science and technology teachers who work in the rural areas with limited laboratory sources. This program, named as Mobile Training Program, has been based on system approach, and it is easily discernible among all the programs since it has a mobile laboratory as the application field. Questionnaires and interviews conducted in order to identify the needs were taken into account during preparing the content of the program, and the application of the program was limited to four days. The program was administered to 223 science and technology teachers who work in the province of Yozgat. Strategies, methods, and techniques that would actively involve teachers into teaching and learning process were utilized. Mobile Training Program has been evaluated through questionnaires, and the results show that the program is highly successful.*

Keywords. Science education, Training program, Teachers in rural areas, Laboratory studies.