Material design based on 5E Learning model on physics laboratory applications

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New Trends and

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Abstract

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1. Introduction

2. Method

2.1. Preparation of experiment guidelines

2.2. Applications performed in the stage of engaging

WHAT DO YOU KNOW?

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Figure 1 Introduction part of an experiment, what do you know?

Figure 2 Introduction part of an experiment, the part of focus on thinking

2.3. Applications performed in the stage of exploring

Figure 3 Exploring phase of a sample experiment report

Set the Variables

1- Set the Variables	
Independent Variable:	
Dependent Variable:	
Control Variable:	

Figure 4 Setting the variables in the explore section of a sample experiment report

Create your hypothesis:

Make predictions:

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4- Make Predictions

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Figure 7 Making predictions in the explore part of a sample experiment report

Record the Data:

5- Record the Data

Figure 8 Recording the data in the explore part of a sample experiment report

2.4. Applications performed in the stage of explaining

Graph drawing:

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E-

a)
b)
c)
d)

Figure 12 Evaluation phase of a sample experiment report 1

Figure 13 Evaluation phase of a sample experiment report 2

Conclusions and Recommendations

M *Fizik egitimine yönelik bütünleştirici Öğrenme ortamı ve tasarımı*

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Yayımlanmamış

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