

## INTRODUCTION

Usually most blind people use Braille to learning but Braille is not able to make the students imagine about the content. The solar system learning media for the blind was created for imagination about the planets' surface. In addition, this learning media also has its subtitles and Braille captions.

## METHODS

The shape of a spherical plaster cast is carved according to the surface of each planet.



1<sup>st</sup> version of model

Test the model by asking advice from 30 people who have closed thiers eyes.



2<sup>nd</sup> version of model

Make changes corresponding to the responses from 30 people and test this on 10 the blind.

3<sup>rd</sup> version of model

Make changes as mentioned by the 10 blind test again, then test these changes on the 30 blind, including the 10blind who already test this.



4<sup>th</sup> version of model

One again, effect changes from the feedback from the group of the 30 blind.

5<sup>th</sup> version of model

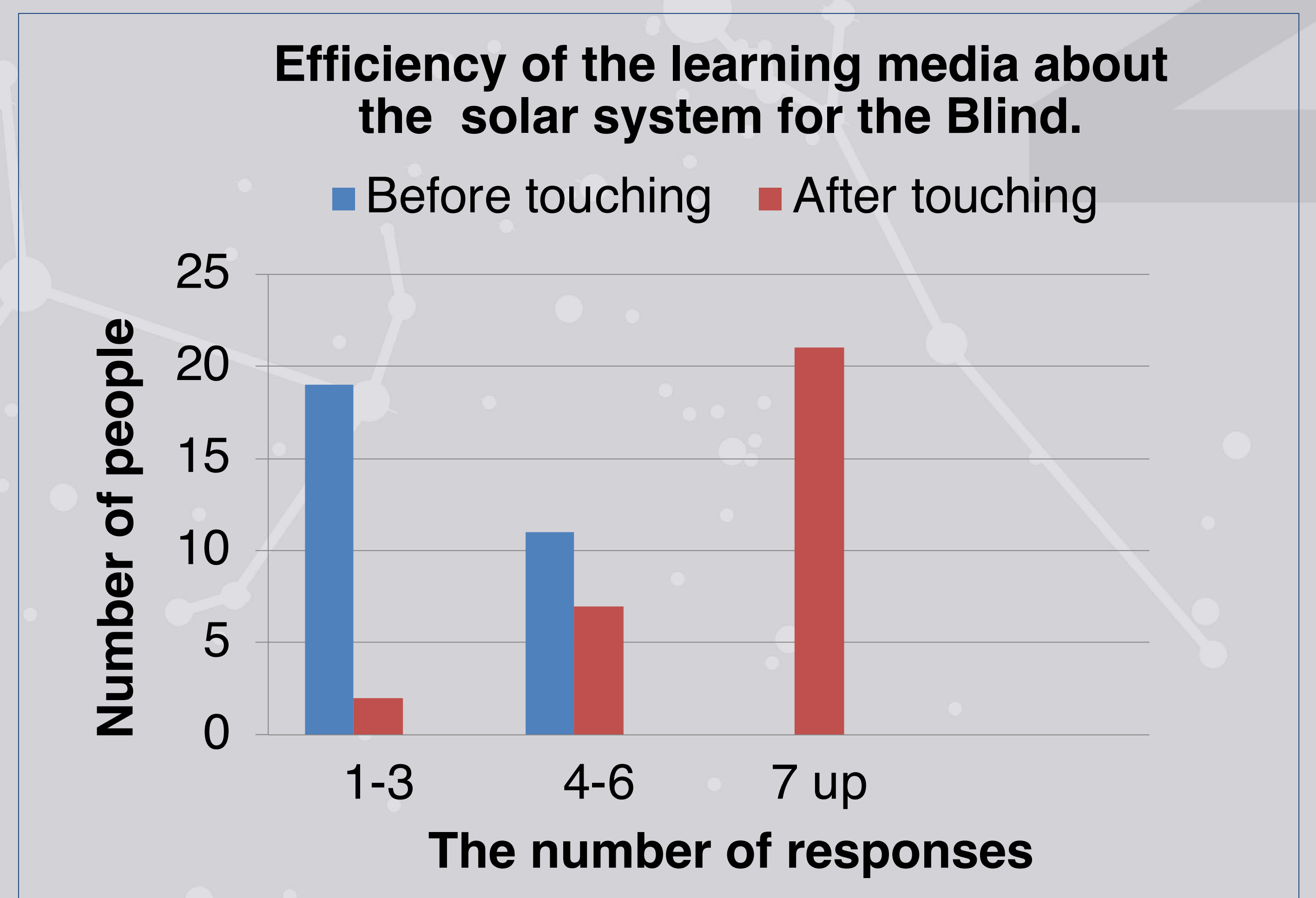
Understanding test with both a pre-test and post-test.  
 - **Pre-test** : Blind people who have never been touched to the models before.  
 - **Post-test** : Test again those from the pre-test by having each person identify the name of the planet based on the models and tried to explain.

## RESULTS

The 5<sup>th</sup> version of models can help the blind to understand better than other models. After **Pre-test** and **Post-test**, were found that the blind was confident in the answer and could do more than before touching the model.

The number of responses	Number of people ( 30 people)	
	Before touching	After touching
1-3	19	2
4-6	11	7
7 up	-	21

Table 1: The test before and after touching the model



Graph 1: The test before and after touching the model.

## CONCLUSIONS

The learning media about the solar system for the Blind can help the blind to learn, understand, mind about the surface of the planets than using Braille or listening. By assessment before and after touching the model, as well as talking about the texture of the surface of the planets touching the Earth. Everyone has a different imagination.

Therefore, This model is the solar system learning media for blind people, which can be used actually.



Figure 1: The learning media about the solar system.