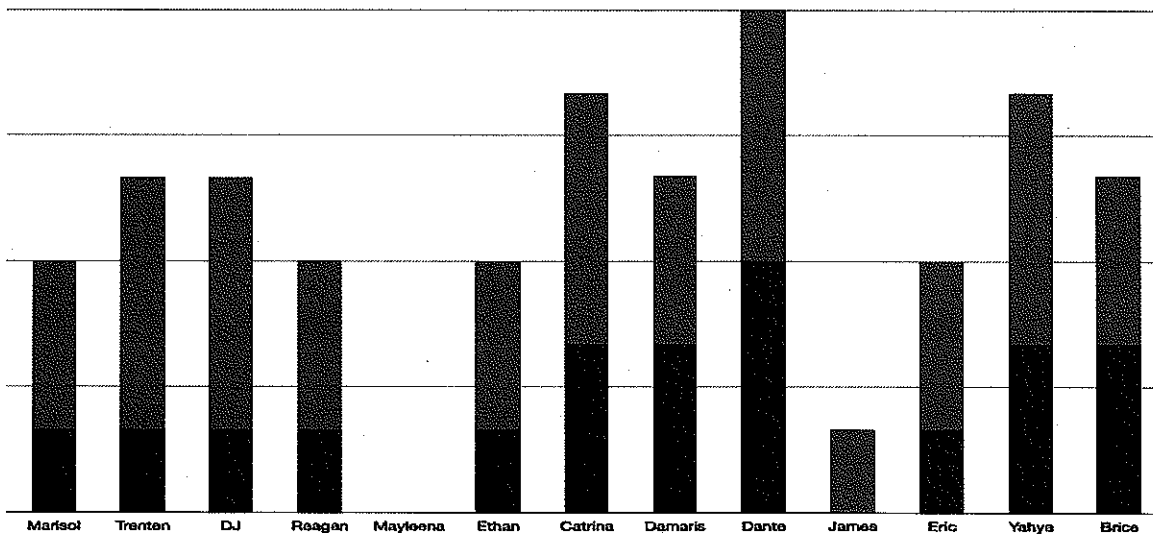
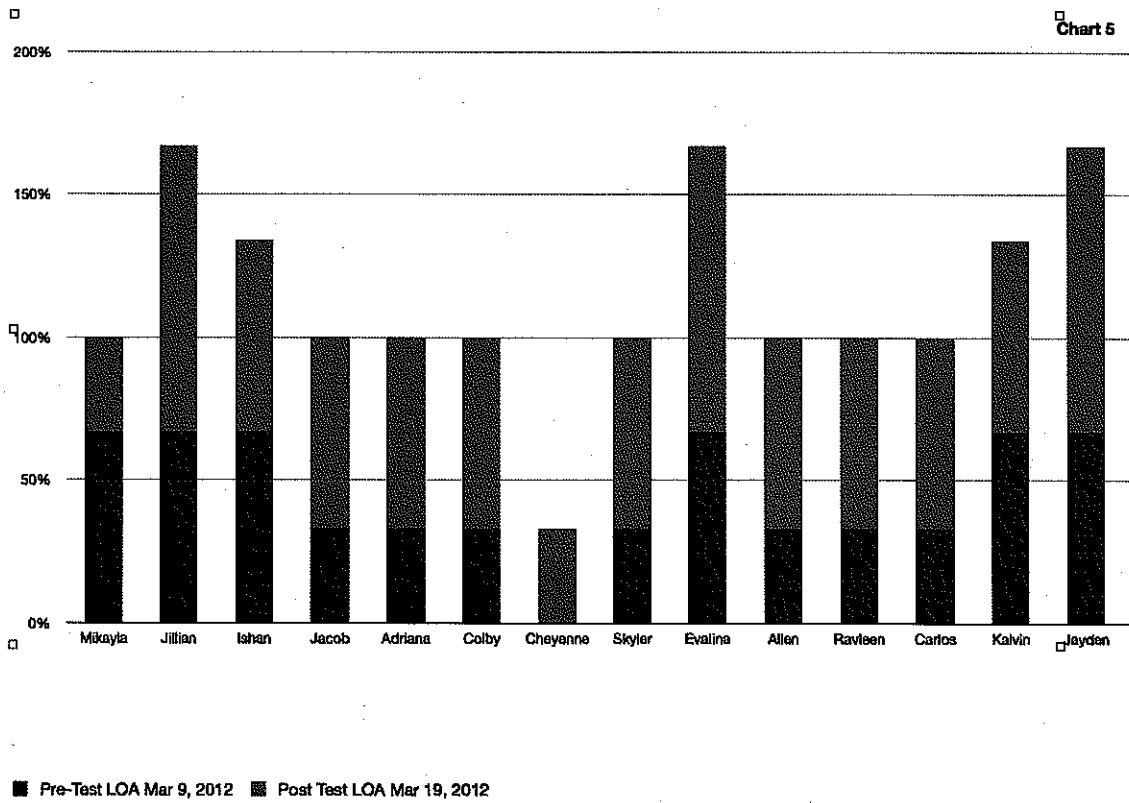


**Learning Outcomes**

UNIT LEARNING OUTCOMES	RELATED STANDARDS
<p><b>Outcome A:</b> Students will be able to identify if a cell is animal or plant and then understand the main job of the nucleus and it's importance in the cell make up with 100% accuracy.</p>	<p>Life Sciences 2a: <i>Students know</i> many multicellular organisms have specialized structures to support the transport of materials.</p>
<p><b>Outcome B:</b> Students will be able to describe the difference between a plant and animal cell by identifying the difference in the cell wall and the cell membrane when looking at illustrations of cells.</p>	<p>Life Sciences 2a: <i>Students know</i> many multicellular organisms have specialized structures to support the transport of materials.</p>
<p><b>Outcome C:</b> Students will be able to describe how materials move through plants and their special structures and jobs performed by completing practice book page 41 with eighty percent accuracy.</p>	<p>Life Sciences 2e. <i>Students know</i> how sugar, water, and minerals are transported in a vascular plant.</p>
<p><b>Outcome D:</b> Students will be able to list the process of photosynthesis and how the plant makes sugar into energy by completing a workbook page that includes a word bank with 90% accuracy.</p>	<p>Life Sciences 2g. <i>Students know</i> plant and animal cells break down sugar to obtain energy, a process resulting in a carbon dioxide and water (respiration).</p>

## Analysis of Student Learning

*Learning Outcome A~ Graph of Pre and Post Test Comparison of Test Scores*



- ❖ **EL Students** are: Marisol- 34% growth; Ishan-stayed the same at 67%; Damaris-stayed the same at 67%; Calvin- stayed the same at 67%.
- ❖ **IEP Students** are: Reagan- 34% growth; Colby- 34% growth.

**Test Score Comparison and Progress Chart**

Name	Pre-Test LOA	Post Test LOA
	Mar 9, 2012	Mar 19, 2012
Mikayla	67%	33%
Jillian	67%	100%
Ishan	67%	67%
Jacob	33%	67%
Adriana	33%	67%
Colby	33%	67%
Cheyenne	0%	33%
Skyler	33%	67%
Evalina	67%	100%
Allen	33%	67%
Ravleen	33%	67%
Carlos	33%	67%
Kalvin	67%	67%
Jayden	67%	100%
Marisol	33%	67%
Trenten	33%	100%
DJ	33%	100%
Reagan	33%	67%
Mayleena	0%	0%
Ethan	33%	67%
Catrina	67%	100%
Damaris	67%	67%
Dante	100%	100%
James	0%	33%
Eric	33%	67%
Yahya	67%	100%
Brice	67%	67%
<b>Class Average</b>	<b>44%</b>	<b>71%</b>

### Comparison of Pre and Post-test Assessments per Question

Percentage Correct Per Question	Question 1	Question 2	Question 3
<b>Pre-test:</b>	31%	19%	35%
<b>Post-test:</b>	97%	31%	97%

### Analysis and Conclusions

The students made a huge improvement for questions one and three. On question one the scores jumped from only thirty-one percent of students choosing the correct answer to all but one student choosing the correct answer. The results for question three are similar. In the pre-test majority of the students missed question two. Unfortunately, this is the same outcome for question two in the post-test. Over half of the class missed that question. The highest performing students in the class did get it correct. That shows me that I did not teach that question correctly. I assumed the students would recognize the obvious answer to that question but I was wrong.

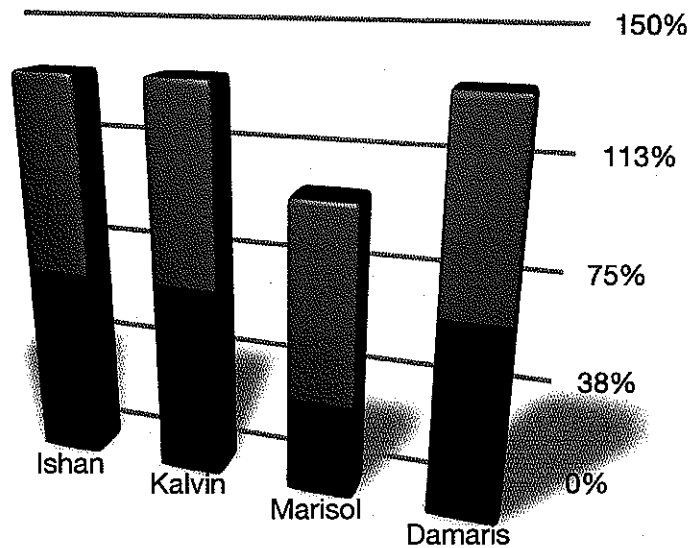
Overall, the students did make progress when comparing the pre-test to the post-test. Six students received the same score on their pre-test and post-test. One of the students received a zero both times, one student scored 100% both times, and the other four students scored 67% both times. The rest of the students all improved their score by at least 33%.

## Subgroup Analysis

### **Group 1: EL Students**

Comparison of Pre-test scores to Post-test scores

■ Pre-Test LOA Mar 9, 2012 ■ Post Test LOA Mar 19, 2012



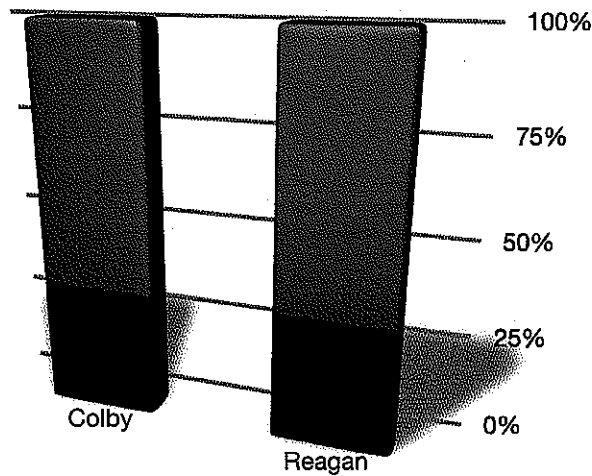
None of the EL students scored 100% on the post-test. Calvin, Ishan, and Damaris all scored 67% on the pre and post-test. They are apart of the group whose scores did not change. Compared to the rest of the class they are scoring with the majority of the class. They scored higher than my low level native English speakers. The class average is 71% and all of the EL students scored 67% on the post-test. They all scored at the average level. I feel that my EL teaching strategies did work for these students. They scored at the average level of the class, showing me that they learned what everyone else was able to learn. All of the EL students missed question number two along with the majority of the

class. This shows me I need to reteach the information surrounding question number two to all students.

**Group 2: Special Needs, (IEP students)**

Comparison of Pre-test scores to Post-test scores

■ Pre-Test LOA Mar 9, 2012 ■ Post Test LOA Mar 19, 2012



I have two students with an IEP. They both had the same score on the pre and post-tests. For Colby I made sure to wear the microphone and he had his speaker whenever I was teaching to make sure he could hear the lesson. With Reagan I would pull her to the back table and read the test to her along with the EL students. This helped Reagan by preventing her from misreading a word and interpreting a question incorrectly. I feel that I met Colby and Reagan's needs since they both scored 67% on the post-test meeting the class average like the rest of the class. My strategies were effective with them. They both improved from their pretest 34%. They also missed question number two on their post-test. I will reteach that section to everyone since the majority of the class missed that question.