



# SMART LEARNING INC.

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## **Assessment Report and Recommendations for Science Laboratories at Monrovia College**

**Date of Assessment: July 21, 2022**

### **Overview:**

This report outlines the findings and recommendations resulting from the assessment of the two science laboratories at Monrovia College. The evaluation focused on the following key issues:

### **Findings**

#### **1. Lack of Laboratory Apparatus in the 10th Grade Biology, Chemistry, and Physics Labs:**

The assessment identified a significant shortage of essential laboratory equipment in the 10th grade labs, resulting from both lacking basic science apparatus and the presence of non-functional or broken equipment, such as microscopes. This deficiency severely limits the ability to conduct effective biology lab sessions for students. Additionally, the absence of a dedicated individual responsible for managing laboratory materials has led to a lack of accountability for missing items and challenges in conducting annual inventories.

#### **2. Lack of Knowledge Among Lab Demonstrators:**

The assessment underscored the inadequate knowledge among lab demonstrators in maintaining laboratory apparatus, handling specific chemicals, and conducting effective laboratory sessions. This knowledge gap leads to neglect in performing experiments.

## **Recommendations**

To address these issues, we propose the following actions:

1. **Comprehensive Supply of Laboratory Apparatus:** It is recommended that a full supply of laboratory equipment be provided to upgrade the existing facilities. This investment will significantly enhance the educational experience for students.
2. **Conduct Workshops on Laboratory Equipment Maintenance:** It is essential to organize a series of intensive workshops aimed at training staff on the maintenance and proper usage of laboratory equipment. This training will also focus on the appropriate handling of chemicals, maintenance of laboratory equipment, appropriate usage of lab apparatus and chemicals, hands-on training for conducting laboratory experiments effectively and effective lab session execution.
3. **Employment of a Science Lab Manager:** We further recommend hiring a dedicated science lab manager responsible for overseeing all lab equipment. This individual would ensure accountability, inventory management, and the preservation of laboratory materials, ultimately reducing theft and ensuring proper inventory practices.