**Teachers Weekly Update Report**

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**Teacher Name:** Michael Johnson  
**Week Ending:** May 20, 2024  
**Grade/Subject Taught:** 7th Grade Mathematics  
**School:** Central Middle School

### **Summary of the Week**

This week, we delved into algebraic expressions, focusing on simplifying expressions and solving basic algebraic equations. The students engaged in a variety of activities, including group work and interactive quizzes.

### **Key Achievements**

**Interactive Quiz:** Conducted an interactive quiz using digital tools that allowed real-time feedback and saw an 80% class average, a 10% improvement from last week.

**Student Collaboration:** Students worked in pairs on algebra problems, which improved their problem-solving skills and teamwork.

### **Challenges Encountered**

**Conceptual Hurdles:** Some students struggled with the concept of variables in algebra. Additional support was provided through one-on-one tutoring sessions after class.

**Resource Limitations:** Encountered some technical difficulties with online learning tools which intermittently disrupted the quizzes.

### **Classroom Activities**

**Group Discussions:** Organized group discussions where students explained algebraic concepts to their peers, enhancing understanding and confidence.

**Problem-solving Session:** Held a hands-on problem-solving session which involved students creating their own algebraic equations based on real-life scenarios.

### **Student Engagement**

**Participation Levels:** Noticed an increase in class participation, especially from students who typically shy away from mathematics.

**Feedback:** Student feedback was positive, particularly regarding the interactive nature of the quizzes and the relevance of the problem-solving activities.

### **Goals for Next Week**

**Introduce New Topic:** Plan to introduce inequalities and their graphical representations.

**Enhance Resources:** Aim to resolve the technical issues with the online quiz platform and explore additional digital resources to support learning.

### **Professional Development**

**Webinar Attendance:** Attended a webinar on "Integrating Technology in Math Education," which provided insights into new digital tools and resources that could be incorporated into the curriculum.

### **Additional Comments**

I am exploring more ways to integrate technology in an effective manner that complements traditional teaching methods and enhances student learning outcomes.

**Signature:**Michael Johnson  
**Date:** May 20, 2024