

2020

ClassHero

HOW CLASSHERO USES NWEA MAP DATA

TO MAKE PERSONALIZED LEARNING A REALITY



Introduction

ClassHero did a preliminary examination of the impact of daily strategic skills practice on student learning in one school within the Portland Public School system. The analysis is very preliminary due to the interruption of school in PPS as a result of the COVID - 19 Pandemic.

Like so many schools and districts across the US, Boise-Eliot/Humboldt Elementary School (BEH) in the Portland Public Schools (PPS) has thoughtfully invested in classroom technology such as EdTech devices and interim assessment software (NWEA MAP), only to find a gap in applying such technology in their efforts to improve student outcomes. As a result, Principal Kaveh Pakseresht decided to pilot ClassHero for Math at his school. For the first time, teachers were able to put MAP data to immediate use, with ClassHero providing one-click differentiation based on integrated results and productive practice with a colorful and engaging student app.

ClassHero: Next Generation EdTech Tool



Typically, EdTech Math apps are used as a supplementary teaching aid, that are designed to be used in addition to core instruction and core math practice. ClassHero, on the other hand, is a next generation EdTech teacher tool designed to be integrated into a teacher's regular instructional program.

The goal of ClassHero is to provide students with targeted skill practice differentiated to accommodate the different rate and level of learning for all students in the classroom. ClassHero can additionally be used as a supplementary teaching tool for a Tier II Math intervention but for this analysis we focused just on it's use within a teacher's regular math instruction.

"The goal of ClassHero is to provide students with targeted skill practice differentiated to accommodate the different rate and level of learning for all students..."

Summary of Key Findings:

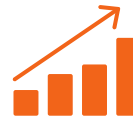
In the Fall of 2019, BEH teachers began using ClassHero to help provide target differentiated skill practice for their students

Based on the skills assigned by the teachers, the BEH staff primarily focused their instruction on two of the Common Core State Standard Domains: Numbers & Operations and Operations & Algebraic Thinking. The following summary represents the key finding of our preliminary analysis of the implementation of ClassHero at BEH. Students represented in this analysis were students who had a minimum of 30 ClassHero skill practice sessions during the evaluation period with an average duration of 8:43 per session. Sessions were a part of their regular instructional program and did not require additional instructional time as you might see with other EdTech Math apps.



For Numbers & Operations

MAP scores grew 190% higher than expected as defined by NWEA National Growth Norms.



100% of students

exceeded their growth target goal for the designated time period for the domain Numbers & Operations .



For Operations & Algebraic Thinking

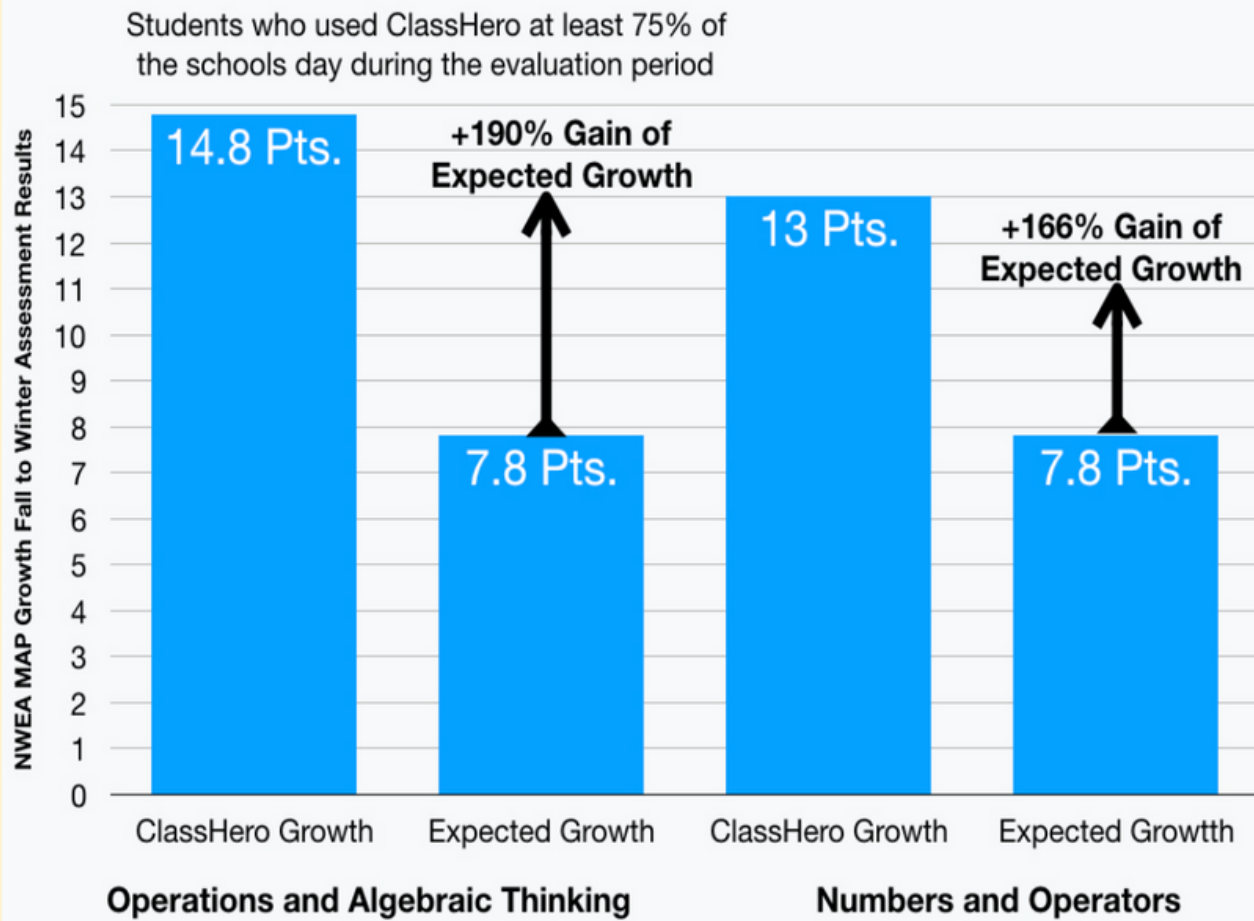
For Operations & Algebraic Thinking, MAP scores grew 166% higher than expected as defined by NWEA National Growth Norms.



80% of students

exceeded their growth target goal for the designated time period for the domain Operations & Algebraic Thinking .

Preliminary Results of ClassHero Effectiveness at BEH



Preliminary Results of ClassHero Effectiveness at BEH

Based on students who used ClassHero at least 75% of the schools day during the evaluation period.