

Name: Sara Siebert
District: Levittown Union Free School District
Grade: PK-8
Subject: Math



CCLS Standard Addressed:

PK.PS.1-10 Problem Solving

PK.RP.1-4 Reasoning and Proof

PK.CM.1-5 Communication

PK.CN.1-3 Connections

PK.R.1-5 Representation

PK.N.1-9 Number Sense and Operations

PK.S.1-4, 6.SP.1-5, 7.SP.1-8, 8.SP.1-4 Statistics and Probability

K.CC.1-7 Counting and Cardinality

PK.A.1, K.OA.1-5, 1.OA.1-8, 2.OA.1-4, 3.OA.1-9, 4.OA.1-5, 5.OA.1-3 Operations and Algebraic Thinking

K.NBT.1, 1.NBT.1-6, 2.NBT.1-9, 3.NBT.1-3, 4.NBT.1-6, 5.NBT.1-7 Number and Operations in Base Ten

PK.M.1-2, K.MD.1-3, 1.MD.1-4, 2.MD.1-10, 3.MD.1-8, 4.MD.1-7, 5.MD.1-5 Measurement and Data

PK.G.1-2, K.G.1-6, 1.G.1-3, 2.G.1-3, 3.G.1-2, 4.G.1-3, 5.G.1-4, 6.G.1-4, 7.G.1-6, 8.G.1-9 Geometry

3.NF.1-3, 4.NF.1-7, 5.NF.1-7 Number and Operations-Fractions

6.RP.1-3, 7.RP.1-3 Ratios and Proportional Relationships

6.NS.1-8, 7.NS.1-3, 8.NS.1-2 The Number System

6.EE.1-9, 7.EE.1-4, 8.EE.1-8 Expressions and Equations

8.F.1-5 Functions

Website/Location of app: *IXL Math Practice*

<https://itunes.apple.com/us/app/ixl-math-practice/id693689912?mt=8>

Description of Application:

Free: *IXL Math Practice* makes math tangible with over 2,000 standards-aligned skills that provide comprehensive coverage of math content, while hundreds of colorful awards mark student progress. *IXL Math Practice's* interactive practice formats provide easy student use in the following areas:

Pre-K - Counting, comparing groups.

Kindergarten - Patterns, identifying shapes, skip-counting.

First grade - Bar graphs, addition word problems.

Second grade - Place-value models, comparing numbers.

Third grade - Multiplication facts, adding decimals.

Fourth grade - Adding mixed numbers, calculating probabilities.

Fifth grade - Multiplying fractions, rounding decimals.

Sixth grade - Ratios and percentages, variable expressions, exponents, integers.

Seventh grade - Pythagorean theorem, angles, proportional relationships, area.

Eighth grade - Linear functions, similar figures, cube roots, solving equations.

Incorporation Explanation:

IXL Math is a motivating way to incorporate and enrich Math standards utilizing learning games that increase students' performance. The games are set up in the traditional skill and practice format, but as students practice concepts, positive feedback messages appear on screen that reinforce student progress. The games allow for corrections to be easily made. Activities and games are scaffolded to promote appropriate skill alignment.