Tutorials from Webinar

Khan Academy
EdPuzzle
Desmos
Edulastic
Flip
Problem-Attic

Other Resources

K-5	6-8	9-12
Zearn.org- Zearn has video lessons, practice, and skill drills for students. It follows a track and is self paced. **Prodigygame-** Prodigy is a video game in which you can assign specific skills for students to practice as they play. **That Quiz**- Timed Skill practice **Freckle**- Adaptive Math and ELA activities. (Paid platform but there is a free version which simply limits the amount of activities you assign at any given time.	**Prodigygame-** Prodigy is a video game in which you can assign specific skills for students to practice as they play. **Robert Kaplinsky-** Real world problem solving lessons **Go Formative-** Live formative assessment in web app. **CK12-** Online textbook with interactive simulations, articles, media for all math topics. **Phet Colorado**- Interactive simulations for science/math **Concord Consortium-** Interactive simulations for science/math **Kuta Software**- Test and worksheet Generator **Problem-attic** - Test and work sheet Generator **That Quiz**- Timed Skill practice	**Robert Kaplinsky-** Real world problem solving lessons **Go Formative-** Live formative assessment in web app. **CK12-** Online textbook with interactive simulations, articles, media for all math topics. **Phet Colorado**- Interactive simulations for science/math **Concord Consortium-** Interactive simulations for science/math **Kuta Software**- Test and worksheet Generator **Problem-attic** - Test and work sheet Generator **That Quiz**- Timed Skill practice **Geogebra-** dynamic mathematics modeling including geometry, algebra, spreadsheets, graphing, statistics and calculus. **Mathbits** fun, yet challenging, lessons and activities in secondary (and college level) mathematics

By topic

Use these resources when you have a topic on which your student/s need additional practice or exploration. Re check for understanding/progress after use.

Algebra

Functions

- Function Machine guess from input/output
- Function Flyer explore function graphs
- Functions jeopardy quiz from Quia

Expressions & equations

- Playground Equations Balanced equations
- Equation buster
- Basketball equations
- Vectorkids 2 step solve for x
- Learnalberta visual expressions/equations
- Soft schools Practice Quiz
- Wangdoodles Algebraic logic

Exponents

- Exponents Jeopardy
- Exponents Game - Otter Rush
- Exponent Games and Worksheets (solutions)
- Online games and resources for exponents
- Exponents: rules formulas and practice problems
- IXL (section D)

Algebraic expressions

- Algebraic Expressions Millionaire
- Algebra Math Games
- Mathgoodies expressions
- Math Interactives with Algebra
- Simplifying Algebraic Expressions

Additional Algebra resources:

- Playground - balance tutorial
- Balance equal sides
- Like Terms Invaders

Inequalities

- Graphing Inequalities on Number Lines

Geometry

Angles

- Visnos angles model
- Alien Angles Estimate an angle
- Protractor protractor tutorial
- MF protractor animation and try it
- more or less than 90
- measure angles
- Draw angles

Quadrilaterals

- MF quadrilaterals tutorial
- iknowit click/drag to answer qs

Circles

- Circle Study jams
- Pi

Surface Area, Nets, & Volume

- Surface area
- Nets Find the net from the animation

Area & perimeter

- Area explorer change perimeter find area
- Zoo designer

Area of Shaded regions

- Khan shaded
  - use pi=3.141596 or pi key on calculator and round to hundredth
- Area between shapes
  - Use pi as 3.14
  - include area of triangle
- area shaded
  - Includes irregular inside irregular
  - Includes congruent triangle area

Graph

Slope

- Explore slope from mathwarehouse
- Slope basketball

Transformation

- Identify how to transform
- Transformation game

Coordinate plane (4 quadrants)

- Cartesian Coordinates
- Stock the shelves 20 items in 2 minutes

Coordinate plane (Quadrant 1)

- Boat coordinate game
- Battleship

Line plots

- Create a graph
- Interpret line plot
- Line plot practice

Bar graph

- Virtual Bar Graph 1 use internet explorer

Pictograph

- Jellybean pictograph

Tally/Frequency

- Data collection and analysis

Fractions, Decimals, Percent

Fractions

- Factors
- Fractions-3rd
- Find Grampy Fraction on number line (estimate what fraction of the fence grampy is hiding behind)
- Sub Frac different denom game
- Frac Bar model word problems using interactive bar model of fractions
- Visual frac choose which operations and it will general visual practice questions
- Frac word problem quiz

Decimals

- Decimal Card game
- Identify place value
- mp decimals
- Frac to Dec
- Decimals
- Decimal and Whole Number Jeopardy
- Decimal Football

Decimal Conversion

- Compare and Convert
- Measurement
- Conversion soup (metric)

Percent

- Tip
- % of practice

Arithmetic	Other
Add/Sub • Factmonster Add level 1 or Sub level 1 • Arcademics facts to 12 • Ten Frame Add within 10 review • Review Add/Sub within 10- ideas can be adapted to add/sub within 20 (ex. use 2 ten frames) **Order of Operations** • Heist game with order of operations **Rounding** • Rocket Rounding- can be used for number line rounding at different levels • Basketball rounding- practice questions **Integers**: • Line jumper	**Bar Models** • Bar Model examples • Thinking blocks **Measurement** • Strolling with my Gnomies - Measuring Game • Ruler Games • Inch and cm

Gamified formative assessment-

- Kahoot! - game-based learning platform
- Factile - jeopardy-style quiz games for the classroom.
- WAYGROUND - self-paced quizzes to review, assess, and engage

Kahoot examples

Like terms/distribution
Algebraic expressions
6th review
Expressions & Equations
Area Polygons
Coordinate plane
Function tables
Writing equations from tables/graphs