

3rd Grade List of Resources: Geometry (Perimeter/Area)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|--|---|---|--|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://nlvm.usu.edu/en/nav/category_g_2_t_5.html (virtual manipulatives) • http://www.gamequarium.org/dir/Gamequarium/Math/Geometry/geometry2.html • http://www.funbrain.com/poly/index.html (perimeter and area) • http://nlvm.usu.edu/en/nav/frames_asid_277_g_1_t_3.html (interactive geoboard) • http://www.shodor.org/interactivate/activities/PerimeterExplorer/ (perimeter) • http://www.shodor.org/interactivate/activities/AreaExplorer/ (area) • http://studyjams.scholastic.com/studyjams/jams/math/index.htm | <ul style="list-style-type: none"> • Geoboard • Tiles • White boards • Grid paper | <ul style="list-style-type: none"> • Taping off shapes on the floor • Measure desks • Scavenger hunt in school in order to find items that can have perimeter and area measured |

3rd Grade List of Resources: Geometry (Shapes)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|---|--|---|---|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • <u>The Greedy Triangle</u> by Marilyn Burns | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://www.primaryresources.co.uk/online/online_downloads.htm (Simple Shape Sort) • http://www.gamequarium.org/dir/Gamequarium/Math/Geometry/ • http://nlvm.usu.edu/en/nav/category_g_2_t_3.html (pentominoes) | <ul style="list-style-type: none"> • Two dimensional shapes • Three dimensional shapes • Pentominos • Mirror to show symmetry | <ul style="list-style-type: none"> • Flow chart with characteristics of 4 sided shapes • Scavenger hunt in the school to find shapes • Shape BINGO |

3rd Grade List of Resources: Measurement & Data (Graphs)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|--|--|---|---|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • Differentiated Activities for Teaching Key Math Skills: Grades 2—3 | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.educationcity.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://nlvm.usu.edu/en/nav/category_g_2_t_5.html (virtual manipulatives) • http://nces.ed.gov/nceskids/createAgraph/default.aspx • http://www.gamequarium.org/dir/Gamequarium/Math/Data_Interpretations/ | <ul style="list-style-type: none"> • Charts/posters • Student surveys • Data table | <ul style="list-style-type: none"> • Student surveys to create data |

3rd Grade List of Resources: Measurement & Data (Graphs)

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

3rd Grade List of Resources: Measurement & Data (Time)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|--|--|--|---|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • www.primarygames.com/time • http://www.gamequarium.org/dir/Gamequarium/Math/Time_Math/ • http://nlvm.usu.edu/en/nav/category_g_2_t_4.html • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://www.sheppardsoftware.com/math.htm#time | <ul style="list-style-type: none"> • Analog clocks • Digital clocks • Number line • Clock stamps • Time flash cards | <ul style="list-style-type: none"> • Stretch number line around clock for visual connection • Skip counting • Time BINGO • Finding elapsed time in agenda/schedules |

3rd Grade List of Resources: Measurement & Data (Volume & Mass)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|--|---|--|--|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • <u>Measuring Penny</u> by Loreen Leedy | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • http://www.brainpopjr.com/math/measurement/gramsandkilograms/preview.weml • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html | <ul style="list-style-type: none"> • Scales • Beaker • Liter containers • Objects to measure | <ul style="list-style-type: none"> • Students practice measuring amounts • Scavenger hunt in classroom • Calendar math review • Visual posters showing comparisons |

3rd Grade List of Resources: Number & Operations (Fractions)

| <p style="text-align: center;"><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p style="text-align: center;"><u>Technology</u> Examples: websites and software materials</p> | <p style="text-align: center;"><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p style="text-align: center;"><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|--|---|--|--|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • Fabulous Funny Fraction Stories • Hershey book • <u>Apple Fractions</u> by Jerry Pallota • <u>Gator Pie</u> by Louise Mathews | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.educationcity.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://www.sheppardsoftware.com/math.htm#fractions • http://www.funbrain.com/fract/index.html • http://illuminations.nctm.org/ActivityDetail.aspx?id=18 • http://illuminations.nctm.org/ActivityDetail.aspx?ID=11 • http://nlvm.usu.edu/en/nav/category_g_2_t_1.html • www.maths-games.org/fraction-games.html • http://www.gamequarium.org/dir/Gamequarium/Math/Fractions/ | <ul style="list-style-type: none"> • Fraction bars • Number lines • Fraction circles • Pizza fractions • Hershey bar • Apples • Graham crackers • White boards | <ul style="list-style-type: none"> • Folding square paper into equal parts to show partitioning • Student data (i.e. how many boys are wearing glasses) • Hands-on activities |

3rd Grade List of Resources: Number & Operations (Multiplication & Division)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|---|---|--|---|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • AIMSweb M-COMP (for fluency practice) • <u>Big Numbers</u> by Edward Packard • <u>Remainder of One</u> by Elinor J Pinczes • <u>The Doorbell Rang</u> by Pat Hutchins • <u>Bunches and Bunches of Bunnies</u> by Louise Mathews | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • www.educationcity.com • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://nlvm.usu.edu/en/nav/category_g_2_t_1.html (virtual manipulatives-numbers & operations) • http://nlvm.usu.edu/en/nav/category_g_2_t_2.html (virtual manipulatives-algebra) • http://www.mathfactcafe.com/ (math facts) • http://www.gamequarium.org/dir/Gamequarium/Math/Baseball_Math/ (math baseball) • http://www.gamequarium.org/dir/Gamequarium/Math/Factors_and_Multiples/ (factors and multiples) • http://www.gamequarium.org/dir/Gamequarium/Math/Division/ (division) • http://www.aplusmath.com/Games/index.html • http://www.primaryresources.co.uk/online/online_downloads.htm (Pattern, Number Cards, Number Square, Missing Numbers) • http://www1.center.k12.mo.us/edtech/edm/3.htm • http://www.sheppardsoftware.com/math.htm#basicoperations (basic operations) • http://www.sheppardsoftware.com/math.htm#mixedoperations (mixed operations) | <ul style="list-style-type: none"> • Base 10 blocks • Flash cards • White boards • Fact family triangles • Multiplication table • Number lines | <ul style="list-style-type: none"> • Mutliplication BINGO • Math timed tests (fluency) • Multiplication Rap • Fortune tellers • “Around the World” games • Arrays • Number lines |

3rd Grade List of Resources: Number & Operations (Place Value, Addition, Subtraction)

| <p><u>Print Resources</u> Examples: textbooks, trade books, picture books, articles</p> | <p><u>Technology</u> Examples: websites and software materials</p> | <p><u>Manipulatives</u> Examples: base 10 blocks, counters, clocks</p> | <p><u>Strategies</u> Examples: graphic organizers, a variety of ways to teach a topic, songs or chants</p> |
|---|--|--|--|
| <ul style="list-style-type: none"> • KCCT Crosswalk Coach • KCCT Coach • AIMSweb M-COMP (for fluency practice) • <u>Grapes of Math</u> by Greg Tang | <ul style="list-style-type: none"> • http://qta.quantiles.com/ • www.brainpop.com • www.brainpopjr.com • www.ixl.com • www.studyzone.org • http://www.thompson.ctschool.net/Curriculum/Math/clipart.html • www.educationcity.com • http://studyjams.scholastic.com/studyjams/jams/math/index.htm • http://nlvm.usu.edu/en/nav/category_g_2_t_1.html (virtual manipulatives-numbers & operations) • http://nlvm.usu.edu/en/nav/category_g_2_t_2.html (virtual manipulatives-algebra) • http://www.mathfactcafe.com/ (math facts) • http://www.gamequarium.org/dir/Gamequarium/Math/Place_Value/ (place value) • http://www.aplusmath.com/Games/index.html • http://www.primaryresources.co.uk/online/online_downloads.htm (Pattern, Number Cards, Number Square, Missing Numbers) • http://www1.center.k12.mo.us/edtech/edm/3.htm • http://www.sheppardsoftware.com/math.htm#earlymath (basic number sense/patterns) • http://www.sheppardsoftware.com/math.htm#basicoperations • http://www.gamequarium.org/dir/Gamequarium/Math/Estimation/ (estimation) | <ul style="list-style-type: none"> • Base 10 blocks • Math tiles • Math squares • Place value flip chart • Flash cards • White boards • Addition table • Fact family triangles • Number lines | <ul style="list-style-type: none"> • Rounding hill • Rounding cheer “0,1,2,3,4 you can’t have any more. 5,6,7,8,9 you can have one of mine!” • Place Value BINGO • Math timed tests (fluency) • “Around the World” game • Number lines |

3rd Grade List of Resources: Number & Operations (Place Value, Addition, Subtraction)
