

Grade 3 Common Core Strands

Operations and Algebraic Thinking: Video Lessons

- **Represent and solve problems involving multiplication and division.**

http://www.harcourtschool.com/activity/operation_snowman/
<http://www.mathplayground.com/thinkingblocks.html>
<http://mrnussbaum.com/envision-division/>
<http://www.mathplayground.com/WordProblemsWithKatie2.html>
<http://www.mathplayground.com/multiples.html>

- **Multiply and divide within 100.**

http://www.mathplayground.com/ASB_GrandPrixMultiplication.html
http://www.mathplayground.com/ASB_DragRaceDivision.html
<http://www.mathplayground.com/multiples.html>
http://www.mathplayground.com/ASB_PenguinJumpMultiplication.html

- **Solve problems involving the four operations, and identify and explain patterns in arithmetic.**

<http://mrnussbaum.com/fireflynights/>
<http://mrnussbaum.com/mathepillar/>
http://www.bbc.co.uk/bitesize/ks2/maths/number/mental_maths/play/
<http://pbskids.org/cyberchase/math-games/stop-creature/>
<http://www.mathplayground.com/thinkingblocks.html>
<http://mrnussbaum.com/bmf/>
http://www.mathplayground.com/mathhoops_Z1.html
<http://www.mathplayground.com/GrandSlamMath2.html>

Number and Operations in Base Ten: Video Lessons

- **Use place value understanding and properties of operations to perform multi-digit arithmetic.**

http://www.bbc.co.uk/bitesize/ks2/maths/number/number_system/play/popup.shtml
http://www.mathplayground.com/mathhoops_Z1.html
<http://mrnussbaum.com/maximumcapacity/>
<http://mrnussbaum.com/roundingmaster/>

Number and Operations—Fractions: Video Lessons

- **Develop understanding of fractions as numbers.**

http://www.mathplayground.com/ASB_TugTeamFractions.html
http://www.mathplayground.com/Scale_Fractions.html
http://www.mathplayground.com/Fraction_bars.html
http://www.mathplayground.com/visual_fractions.html
<http://mrnussbaum.com/measurement-workshop/>
<http://mrnussbaum.com/sal>

Measurement and Data: Video Lessons

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

http://www.bbc.co.uk/bitesize/ks1/maths/telling_the_time/play/

- Represent and interpret data.

<http://mrnussbaum.com/graphmaster/>

<http://www.kidsmathgamesonline.com/numbers/mathdata.html>

http://www.softschools.com/math/data_analysis/pictograph/games/

http://www.softschools.com/math/data_analysis/pictograph/make_your_own_pictograph/

<http://www.brainpopjr.com/math/data/pictographs/picturemaker/>

<http://www.brainpopjr.com/math/data/tallychartsandbargraphs/picturemaker/>

http://www.softschools.com/math/data_analysis/bar_graph/activities/favourite_colors_bar_chart/

http://www.k5learning.com/sites/all/files/sample_lessons/Data%20Analysis%20Lineplots%20L3%20V1%20T1a/Data_Analysis_LinePlots_L3_V1_T1a.swf

http://mrnussbaum.com/grade_2_standardslinegraph/

- Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

<http://www.mathplayground.com/geoboard.html>

http://www.mathplayground.com/area_perimeter.html

<http://www.mathplayground.com/PartyDesigner/PartyDesigner.html>

- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

<http://www.mathplayground.com/geoboard.html>

<http://www.mathplayground.com/PartyDesigner/PartyDesigner.html>

http://www.mathplayground.com/area_perimeter.html

Geometry: Video Lessons

- Reason with shapes and their attributes.

<http://www.mathplayground.com/patternblocks.html>

<http://www.mathplayground.com/buildingblocks.html>

<http://www.mathplayground.com/tangrams.html>

<http://www.mathplayground.com/geoboard.html>

http://www.mathplayground.com/shape_inlay.html