**Great Mathematics/CCSSM On-line Resources OR**

**Where do I Find Great Ideas for My Mathematics Lessons and My Professional Growth?**

(an incomplete, ever-expanding list from Steve Leinwand – June, 2016 update)

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| 1. **What do the Standards Mean?** | |
| Illustrative Mathematics | [www.illustrativemathematics.org](http://www.illustrativemathematics.org) |
| Mathematics Progressions Docs | <http://ime.math.arizona.edu/progressions> |
| Implementing the Practices | <http://mathpractices.edc.org/> |
| Achieve, Inc. | <http://www.achieve.org/achieving-common-core> |
| Turn on Common Core Math | <http://turnonccmath.net> |
| Principles to Actions Toolkit | <https://www.nctm.org/PtAToolkit> |
| 1. **Unit Design and Curricula** | |
| Dana Center Common Core Toolkit | <http://www.ccsstoolbox.org> |
| Learn Zillion | [www.learnzillion.com](http://www.learnzillion.com) |
| Mathematics Vision Project (9-12) | <http://www.mathematicsvisionproject.org> |
| Georgia Mathematics | <https://www.georgiastandards.org/common-core/pages/math-k-5.aspx>  <https://www.georgiastandards.org/common-core/pages/math-6-8.aspx> ‎  <https://www.georgiastandards.org/common-core/pages/math-9-12.aspx> ‎ |
| Engage New York | [www.engageny.org/mathematics](http://www.engageny.org/mathematics) |
| High Tech High Math | <https://sites.google.com/a/hightechhigh.org/hth-math-common-core-standards> |
| New Mathways Project | <http://www.utdanacenter.org/higher-education/new-mathways-project/new-mathways-project-curricular-materials> |
| 1. **Lessons, Lesson Ideas and Lesson Plans** | |
| Emergent Math | <http://emergentmath.com/my-problem-based-curriculum-maps> |
| NCTM Illuminations | [www.illuminations.nctm.org](http://www.illuminations.nctm.org) |
| Mathalicious | [www.mathalicious.com](http://www.mathalicious.com) |
| NRICH | <http://nrich.maths.org/frontpage> |
| Dan Meyer’s 3-Act lessons | <https://docs.google.com/spreadsheet/ccc?key=0AjIqyKM9d7ZYdEhtR3BJMmdBWnM2YWxWYVM1UWowTEE> |
| Robert Kaplinsky’s 3-act lessons | <http://robertkaplinsky.com/lessons> |
| Andrew Stadel’s 3-act lessons | <https://docs.google.com/spreadsheet/ccc?key=0AkLk45wwjYBudG9LeXRad0lHM0E0VFRyOEtRckVvM1E#gid=0> |
| Graham Fletcher’s 3-act lessons | <http://gfletchy.com/3-act-lessons> |
| Mike Wiernicki’s 3-act lessons | <http://mikewiernicki.com/3-act-tasks> |
| Thinking Blocks | [www.thinkingblocks.com](http://www.thinkingblocks.com) |
| Yummy Math | [www.yummymath.com](http://www.yummymath.com) |
| Achieve EQuIP Exemplars | <http://www.achieve.org/EQuIP> |
| Desmos Lessons | <https://teacher.desmos.com> |
| Khan Academy | [www.khanacademy.com](http://www.khanacademy.com) |
| Real World Math Problems | <https://tapintoteenminds.com/3act-math> |
| The Math Learning Center Free K-5 Lessons and Activities | <http://catalog.mathlearningcenter.org/free> |
| TI Calculator Enhanced Activities | <https://education.ti.com/en/us/activities-home> |
| K-5 math teaching resources | <http://www.k-5mathteachingresources.com> |
| 1. **Short Tasks that Spice Things Up** | |
| Visual Patterns | <http://www.visualpatterns.org> |
| Which One Doesn’t Belong | <http://wodb.ca> |
| Estimation 180 Short Tasks | <http://www.estimation180.com/days-41-60.html> |
| Open Middle K-12 Problems | <http://www.openmiddle.com> |
| Would You Rather Math | <http://www.wouldyourathermath.com> |
| Number Strings | <https://numberstrings.com> |
| 1. **Tools** | |
| National Library of Virtual Manips | <http://nlvm.usu.edu/en/nav/vlibrary.html> |
| Desmos | [www.desmos.com](http://www.desmos.com) |
| Geogebra | [www.geogebra.org](http://www.geogebra.org) |
| Conceptua Math | [www.conceptuamath.com](http://www.conceptuamath.com) |
| Tools for the Common Core | <http://commoncoretools.me> |
| 1. **Assessments and Assessment Tasks** | |
| Balanced Assessment | [http://balancedassessment.concord.org](http://balancedassessment.concord.org/) |
| Mathematics Assessment Project | <http://map.mathshell.org/materials/index.php> |
| Howard County Formative Assessments (K-6) | <https://gradeKcommoncoremath.wikispaces.hcpss.org/>  <https://grade1commoncoremath.wikispaces.hcpss.org/>  <https://grade2commoncoremath.wikispaces.hcpss.org/>  <https://grade3commoncoremath.wikispaces.hcpss.org/>  <https://grade4commoncoremath.wikispaces.hcpss.org/>  <https://grade5commoncoremath.wikispaces.hcpss.org/>  https://hcpss.instructure.com/courses/125 |
| LOCUS Statistics Tasks | <https://locus.statisticseducation.org/professional-development/questions/interpret-results> |
| Florida CPALMS | <http://www.cpalms.org/Public> |
| PARCC sample items | [http://practice.parcc.testnav.com/#](http://practice.parcc.testnav.com/) |
| PARCC released items | <https://prc.parcconline.org/assessments/parcc-released-items> |
| Smarter Balanced sample items | <http://www.smarterbalanced.org/practice-test/> |
| Released PISA items | <http://www.oecd.org/pisa/pisaproducts/pisa2012-2006-rel-items-maths-ENG.pdf>  <http://www.oecd.org/pisa/38709418.pdf> |
| K-12 Assessment Center | <http://www.k12center.org> |
| 1. **Lesson Video Collections** | |
| Inside Mathematics | http://[www.insidemathematics.org](http://www.insidemathematics.org) |
| Teacher Education by Design | <http://tedd.org/?tedd_subject=mathematics> |
| The Teaching Channel | <https://www.teachingchannel.org> |
| UMichigan TLE Videos | <http://tle.soe.umich.edu> |
| Expeditionary Learning Math | <https://vimeo.com/search?q=Math> |
| Teaching the Core | <http://www.teachingthecore.org> |
| **8. Miscellaneous Collections of Resources** | |
| Math Munch | <http://mathmunch.org/> |
| Math Snacks | <http://mathsnacks.com/index.html> |
| You Cubed | <https://www.youcubed.org> |
| California Mathematics Project | <http://caccssm.cmpso.org> |
| Colorado Dept of Education | <http://www.cde.state.co.us/standardsandinstruction/instructionalunitsamples> |
| Ohio Resource Center | <http://ohiorc.org/standards/commoncore/mathematics> |
| Learn NC | <http://www.learnnc.org/lp/editions/ccss2010-mathematics> |
| Southeastern Comprehensive Center | <http://secc.sedl.org/common_core_videos/index.php> |
| National Science Digital Library | <http://nsdl.org/search/standards/D10003FB> |
| Student Achievement Partners | <http://achievethecore.org/dashboard/300/search/1/2/0/1/2/3/4/5/6/7/8/9/10/11/12> |
| What Works Clearinghouse Math Practice Guides | <http://ies.ed.gov/ncee/wwc/mathhome.aspx> |

Is there something that you use that is missing? Please send the URL to [sleinwand@air.org](mailto:sleinwand@air.org)