**Math 5 Yearly-At-A-Glance**

**Go Math Correlated with Common Core and NAD Standards**

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| **Pacing** | **Mathematical Essential**  **Questions** | **Spiritual Essential**  **Questions** | **Common**  **Core**  **Standards** | **NAD**  **Standards** | **Topics** | **Textbook**  **Reference** | **Connect**  **To**  **Previous** | | **Resources with links** |
| Q-1a  (18 days) | How are mathematical principles useful in problem solving? | How are spiritual principles useful in problem solving? |  |  | Basic Skills (GCF, LCM, Simplify fractions)  Solving Problems  and Test Preparation | ITBS Practice  Pre-Course Assessment |  | Review Game  Estimation simulator  <http://phet.colorado.edu/en/simulation/estimation>  Basic Review  <http://www.quia.com/rr/75354.html><http://www.eduplace.com/kids/mw/quiz/g_5.html>  Word Problems and Use of Block Models  <http://www.mathplayground.com/wordproblems.html> | |
| Q-1a  (15 days) | How do you apply mathematical and algebraic expressions to solve and evaluate whole numbers?  How can you find and explain patterns in relation to the powers of 10? | How do the mathematical principles help us understand the world and all created things? | 5.OA.1,2  5.NBT.1,2,5,6 | 5.NO.1  5.NO.2  5.NO.3  5.OAT.1 | Place Value, Multiplication, and Expressions | GOM-Ch.1 | 4.NBT.1,5,6 | Arithmetic Simulation Game:  <http://phet.colorado.edu/en/simulation/estimation>  Place Value  <http://pinterest.com/pin/171418329539534464/>  Place Value and Multiplication  <http://www.aaamath.com/grade5.htm#topic3> | |
| Q-1b  (12 days) | How do you divide whole numbers? | How do whole numbers help us to demonstrate a distribution of mathematical representation of God’s world? | 5.NBT.6  5.NF.3 | 5.NO.3  5.NO.4 | Divide Whole Number | GOM-Ch.2 | 4.NBT.6 | <http://www.coolmath4kids.com/long-division/> | |
| Q-2a | How do you add and subtract decimals? | How do relationships and their parts help us understand the world and appreciate God’s creation using decimals? | 5.NBT.1,3a,4,7 | 5.NO.1  5.NO.2 | Add and Subtract Decimals | GOM-Ch.3 | 4.NBT.1,2,3 | Decimals Activity (add, subtract, multiply and divide. <http://mrnussbaum.com/decimals-workshop/> | |
| Q-2b | How do you multiply decimals? | How do relationships and their parts help us understand the world and appreciate God’s creation using decimals? | 5.NBT.2,7 | 5.NO.2 | Multiply decimals | GOM-Ch.4 | 4.NBT.1,6 | GoMath itools  <http://www.bigideasmath.com/protected/content/ipe_na/grade%206/03/g6_03_02.pdf> | |
| Q-2b | How do you divide decimals? | How do decimal numbers help us to demonstrate a distribution of mathematical representation of God’s world? | 5.NBT.2,7 | 5.NO.2 | Divide decimals | GOM-Ch.5 | 4.NBT.1,4,5,6 | <http://www.fortheloveofteachingmath.com/wp-content/uploads/2012/03/Dividing-Decimals-Board-Game.pdf> | |
| Q-3a | How do you add and subtract fractions with unlike denominators? | How do fractional numbers help us to demonstrate mathematical representation of God’s world? | 5.NF.1,2 | 5.NO.4 | Add and Subtract Fractions with Unlike Denominators | GOM-Ch.6 | 4.NF.3c  4.NF.3d | GOM: Animated Math Models  Fractions  <http://illuminations.nctm.org/ActivityDetail.aspx?ID=18>  <http://pinterest.com/pin/202450945720257862/> | |
| Q-3b | How do you multiply fractions? | How do fractional numbers help us to demonstrate mathematical representation of God’s world? | 5.NF,4a,b  5.NF.5a,b  5.NF.6 | 5.NO.4  5.NO.5 | Multiply Fractions | GOM-Ch.7 | 4.NF.4b  4.NF.4c | <http://www.math-play.com/Multiplying-Fractions-Millionaire/Multiplying-Fractions-Millionaire.html> | |
| Q-3b | How do you divide fractions? | How do fractional numbers help us to demonstrate mathematical representation of God’s world? | 5.NF.3  5.NF.7a,b,c | 5.NO.4 | Divide Fractions | GOM-Ch.8 | 4.NF.4c | <http://www.mathplayground.com/fractions_div.html> | |
| Q-4a | How can objects be described by patterns, tables, and graphs? | How can objects be represented to help us understand the variety of God’s creation? | 5.OA.3  5.MD.2  5.G1,2 | 5.OAT.3  5.DSP.1  5.GEO.1 | Algebra: Patterns and Graphing | GOM-Ch.9 | 4.OA.5  4.MD.4  4.G.1 | Equations  <http://pinterest.com/pin/174725660513660736/> | |
| Q-4a | How do you solve problems with customary and metric measurements? | How can objects be represented to help us understand the variety of God’s creation? | 5.MD.1 | 5.M.1 | Convert Units of Measure | GOM-Ch.10 | 4.MD.1 | Metric System and Customary  <http://www.youtube.com/watch?v=DQPQ_q59xyw>  Math RAFT  <http://www.writingfix.com/wac/writing_across_curriculum_rafts_math.htm> | |
| Q-4b | How do you identify the properties of 2-D figures?  How do you find the volume of 3D figures? | How the attributes of measurement reveal God’s accuracy, dependability, and precision? | 5.MD.3,3a,b  5.MD.4.  5.MD.5,5a,b,c  5.G.3,4 | 5.M.2  5.M.3  5.GEO.2 | Geometry and Volume | GOM-Ch.11 | 4.MD.3  4.G.2 | Tape Measure  <http://www.youtube.com/watch?v=ACRA2r03QT4>  Area of Rectangle, Parallelogram, and Triangle  <http://www.youtube.com/watch?v=vQC10PPmuoA>  Area of the Circle <http://www.youtube.com/watch?v=YokKp3pwVFc> | |

Websites: Khan Academy.com, IXL.com, mathplayground.com, brainpop.com

Apps: Educreations, Showme, My Dear Aunt Sally, Hands-On Equations, YourTeacher (Math), revised 7/18/13