012001242020MrsMaleFHMS 5th Grade Math Plans, 2019-2020 Contact: dmale@fhacademics.org. Scroll down for Math Lesson Plans!

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MRS. MALE'S ACADEMIC STRATEGIES & HOMEROOM	*"The function of education is to teach one to think intensively and to think critically. Intelligence plus character – that is the goal of true education."- Dr. Martin Luther King, Jr.*	**2:25-3:00 CHESS with Dr. Larkin**	**Double Sessions schedule: 3RD & 6TH HOUR academics today!** **Early release @ 2:10p**		**www.ixl.com is available to help you be successful in ALL subjects. Sign on to build skills!**

Review of and Revisions to Mathematics

1. Every Monday and Thursday, a **math homework hardcopy worksheet** is assigned, due the following day. Monday and Thursdays are the days that your student will have homework and s/he should be able to describe to you and/OR show you those assignments. Note that it's **Monday and Thursday, always and only;** as there is no school this Monday, your student will only have a math worksheet on Thursday this week.

2. A few months ago, we moved further into electronic learning and students were introduced to a program called 'ixl.com'. Think of it as a modernized, more accessible, and more user friendly 'Successmaker'-type learning module. Students are finding IXL quite user friendly and this quarter, I am assigning a small batch of IXL skills each week to support the key concept that is being taught in the classroom. Your student will be assigned a grade for these online assignments, so it is important that s/he makes time, during school and at home, to foster his/her best success!

IXL.com is an online learning platform that supports student learning, both in class and at home. If you sign on as your child (e-mail me if your child 'forgot' how), you can see your child's work to-date. Notice that there are 40+ 'starred' items that are 'skills suggested by your teacher' (23 of these were assigned in Q2; 14+ of these 'skills suggested by your teacher' are current assignments for Q3). If you have concerns about your child's grade, perhaps s/he can step up the pace a bit in this user friendly platform and work on some of these at home. Note the program allows students to explore skills at all grade levels, but the only ones that earn grade points are those that are 'starred' ('skills suggested by your teacher'). When you look at your child's history, you can see his/her patterns of progress.

- If your student is confused about which skills to select, have him/her **go to Google Classroom/5th Grade Math, Mrs. Male**. Each week of Q3 has an assignment that contains the skills that match up to that week's classroom lessons. The 6 skills assigned as 'IXL, Week of 1/6/2020' and the 4 skills assigned as 'IXL, Week of 1/13/2020' are linked and you student should have already completed each of those to 'MASTERY' (100points). 'IXL, Week of 1/20/2020' is now posted and open for those students who are looking to get ahead of the game and excel!

3. **Extra help at www.mrsmalesclass.com**

Because we do not use a specific textbook in math, students are provided with a set of 2 tutorial weblinks every single school day. These weblinks deliver a review lesson of one or more of the key concepts that were discussed in class that day These weblinks are housed at www.mrsmalesclass.com and each live link is HIGHLIGHTED IN YELLOW. (note that any non-highlighted weblinks are NOT accessible to students; they're teacher/sub aids). I highly recommend that ll students selects and views 1-2 of these learning support weblinks each evening. Most are 4-6 minutes long.

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5th Grade MATHEMATICS Lessons & Activities this week **GOOGLE CLASSROOM** **CODE:** **zmx87bb** **Sections:** **52/ 2nd Hour** **56/ 5th Hour** **57/ 6th Hour** **SEE NEXT PAGE FOR HIGHLIGHTED LINKS - 5th GRADE MATH RESOURCES TO SUPPORT THIS WEEK'S LESSONS.**	MLK DAY - NO SCHOOL (no DFA this week)	**Q3 DMR 3-2, #1-3** **https://www.beyondtextbooks.org/Preschool-5th/Fifth_Grade/Math** INTRO: **5.M.MD.C.05 - The Highly Proficient student can compare the volumes of different rectangular prisms and create real world mathematical situations involving volume.** **Lesson/Activity: Computing volume of rectangular prisms. (Ppt. w/whiteboards or paper pencil - all respond to problems.)** **https://www.mathsisfun.com/cuboid.html** ILLP: Focus on algorithms & geometric shapes. **Homework: See Google Classroom, "IXL for week of 1/20/2020"; section EE 13, 15, 15New, & 16.** **ONLINE RESOURCES:**	**PBL DAY** **6TH hour math today** **1. Lesson/Activity: Using UNIT CUBES, build a rectangular prism. Then draw and cut out a NET that is the exact same size. Graph paper and a ruler will help to draw accurate lines! Check your accuracy by filling the NET with your UNIT CUBES. What is the volume? After you've made your first NET, reconfigure the exact same number of UNIT CUBES to build a rectangular prism with different dimensions - what is the volume of this new rectangular prism?** **Faster finishers 2. Lesson/Activity: See Google Classroom, "IXL for week of 1/20/2020" ; section EE 13, 15, 15New, & 16.to complete target skills.**	**Q3 DMR 3-4, #1, 2, 4 & 5** **https://www.beyondtextbooks.org/Preschool-5th/Fifth_Grade/Math** **Concept: 5.M.MD.C.05 - The Highly Proficient student can compare the volumes of different rectangular prisms and create real world mathematical situations involving volume.** **Lesson/Activity: Computing volume of rectangular prisms. (Ppt. w/whiteboards or paper pencil).** **https://www.beyondtextbooks.org/Preschool-5th/Fifth_Grade/Math/Standards/5.M.MD.C.05/Teacher_Submitted_Resources/Presentations/Volume_Keynote_Lesson** ILLP: Focus on algorithms & geometric shapes. **Homework/reinforce:** **https://www.beyondtextbooks.org/@api/deki/files/39970/PDF_volume.pdf?origin=mt-web** **ONLINE RESOURCES:**	**Q3 DMR, 3-5, #1-4.** **https://www.beyondtextbooks.org/Preschool-5th/Fifth_Grade/Math** **Concept: 5.M.MD.C.05 - The Highly Proficient student can compare the volumes of different rectangular prisms and create real world mathematical situations involving volume.** **Self-correct homework and hand it in!** **Lesson/Activity: See Google Classroom, "IXL for week of 1/20/2020" to complete target skills.** ILLP: Focus on algorithms & geometric shapes. Homework:**See Google Classroom, "IXL for week of 1/20/2020"; section EE 13, 15, 15New, & 16.** **ONLINE RESOURCES:**

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HIGHLIGHTED LINKS ARE 5th GRADE MATH RESOURCES, continued.		**CUBIC UNITS IN VOLUME** https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&ru=%2fvideos%2fsearch%3fq%3dVOLUME%2bOF%2bRECTANGULAR%2bPRISMS%26FORM%3dHDRSC3&view=detail&mid=0FE3C46AE379536A6C680FE3C46AE379536A6C68&&FORM=VDRVRV **COUNTING CUBIC UNITS IN THE VOLUME OF A RECTANGULAR PRISM** **https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&ru=%2fvideos%2fsearch%3fq%3dVOLUME%2bOF%2bRECTANGULAR%2bPRISMS%26FORM%3dHDRSC3&view=detail&mid=2BF2EF5CD58767F823B22BF2EF5CD58767F823B2&&FORM=VDRVRV**	**Homework: Work on IXL for Week of 1/20/2020** **ONLINE RESOURCES: FINDING THE VOLUME OF A RECTANGULAR PRISM (6 SIDES!)** **https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&&view=detail&mid=61DD2DA90700365F4DEF61DD2DA90700365F4DEF&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3DVOLUME%2BOF%2BRECTANGULAR%2BPRISMS%26FORM%3DHDRSC3** **FIND VOLUME WHEN SIDES HAVE FRACTIONAL LENGTHS** **https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&ru=%2fvideos%2fsearch%3fq%3dVOLUME%2bOF%2bRECTANGULAR%2bPRISMS%26FORM%3dHDRSC3&view=detail&mid=B9192F46DD049DFF4DC1B9192F46DD049DFF4DC1&&FORM=VDRVRV**	**MEASURING VOLUME BY USING CUBIC UNITS** **https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&ru=%2fvideos%2fsearch%3fq%3dVOLUME%2bOF%2bRECTANGULAR%2bPRISMS%26FORM%3dHDRSC3&view=detail&mid=096FC1FADD45EDFB9E0C096FC1FADD45EDFB9E0C&rvsmid=2BF2EF5CD58767F823B22BF2EF5CD58767F823B2&FORM=VDRVRV** **KHAN ACADEMY LESSON** **https://www.bing.com/videos/search?q=VOLUME+OF+RECTANGULAR+PRISMS&ru=%2fvideos%2fsearch%3fq%3dVOLUME%2bOF%2bRECTANGULAR%2bPRISMS%26FORM%3dHDRSC3&view=detail&mid=F1D6584E148425E4122FF1D6584E148425E4122F&&FORM=VDRVRV**	**VOLUME MASTERY CHECK** **https://www.bing.com/videos/search?q=A+5th+Grade+Volume+of+Rectangular+Prism&&view=detail&mid=1A2C99774A48412CB3051A2C99774A48412CB305&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3DA%2B5th%2BGrade%2BVolume%2Bof%2BRectangular%2BPrism%26Form%3DVDRSCL%26%3D0** **AREA VERSUS VOLUME** https://www.bing.com/videos/search?q=A+5th+Grade+Volume+of+Rectangular+Prism&ru=%2fvideos%2fsearch%3fq%3dA%2b5th%2bGrade%2bVolume%2bof%2bRectangular%2bPrism%26Form%3dVDRSCL%26%3d0&view=detail&mid=D9253FDB12A7590F3B55D9253FDB12A7590F3B55&&FORM=VDRVRV

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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
HONORS/ ADVANCED MATHEMATICS Section 53, 3rd Hour **Lessons & Activities this week** **GOOGLE CLASSROOM** **CODE:** **yq3ybyf** **HIGHLIGHTED LINKS ARE HONORS LEVEL MATH RESOURCES TO SUPPORT THIS WEEK'S LESSONS.**	MLK DAY - NO SCHOOL	Q3 DMR, 3-2. https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math **INTRO: 6.M.NS.C.06b - The Highly Proficient student can recognize in real-world problems that when two ordered pairs differ only by sign then the locations are related to reflections over one or both axes.** **Lesson/Activity Lesson on reflections across coordinate plane axes. (Ppt. w/whiteboards or paper pencil - all respond to problems.)** https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math/Standards/6.M.NS.C.06b/Teacher_Submitted_Resources/Presentations/Reflecting_Points_Introduction **Homework: IXL for Week of 01/20/2020; 6th grade, X2, DD4,7,8,&9 are due by Friday, 1/24. See Google Classroom for a shortcut!** **ONLINE RESOURCES:**	**3RD HOUR TODAY** **Concept: 6.M.NS.C.06b - The Highly Proficient student can recognize in real-world problems that when two ordered pairs differ only by sign then the locations are related to reflections over one or both axes.** **Use the (0,0) and the X and Y axes to create symmetrical Rangoli designs. Remember concepts of reflection, rotation, and transformation.** https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math/Standards/6.M.NS.C.06b/Teacher_Submitted_Resources/Ideas/Rangoli_Pattern **Homework: IXL for Week of 01/20/2020; 6th grade, X2, DD4,7,8,&9 are due by Friday, 1/24. See Google Classroom for a shortcut!** **ONLINE RESOURCES:**	Q3 DMR, 3-3, https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math **Concept: 6.M.NS.C.06b - The Highly Proficient student can recognize in real-world problems that when two ordered pairs differ only by sign then the locations are related to reflections over one or both axes.** **Lesson/Activity: Working with reflections across axes. (Ppt. w/whiteboards or paper pencil - all respond to problems.)** https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math/Standards/6.M.NS.C.06b/Teacher_Submitted_Resources/Presentations/Reflected_Points_Along_the_X-Axis_or_Y-Axis **Homework:** https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math/Standards/6.M.NS.C.06b/Teacher_Submitted_Resources/Worksheets/Coordinate_Graphing_with_Reflections; **2-sided.**	Q3 DMR, Week 2, Friday Five, https://www.beyondtextbooks.org/6th-8th/Sixth_Grade/Math Concept: 6.M.NS.C.06b - The Highly Proficient student can recognize in real-world problems that when two ordered pairs differ only by sign then the locations are related to reflections over one or both axes. *Self-correct Thursday's homework; hand-in for a grade.* **Lesson/Activity: IXL for Week of 01/20/2020; 6th grade, X2, DD4,7,8,&9 are due by Friday, 1/24. See Google Classroom for a shortcut!** **ONLINE RESOURCES:** **TRANSLATING FIGURES ON A COORDINATE PLANE**

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HIGHLIGHTED LINKS ARE 6th GRADE MATH RESOURCES, cont.		**GRAPHING ON A COORDINATE PLANE** https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/coordinate-plane-4-quad/v/the-coordinate-plane **REFLECTIONS ON A COORD. PLANE** https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&&view=detail&mid=8C15E865BCB74EE873B48C15E865BCB74EE873B4&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dreflections%2Bon%2Ba%2Bcoordinate%2Bplane%26FORM%3DHDRSC3	**REFLECT AN IMAGE ON A COORD. PLANE** https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&ru=%2fvideos%2fsearch%3fq%3dreflections%2bon%2ba%2bcoordinate%2bplane%26FORM%3dHDRSC3&view=detail&mid=F648E83F982FC1EE37C4F648E83F982FC1EE37C4&&FORM=VDRVRV **REFLECTIONS ON A COORD. PLANE** https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&ru=%2fvideos%2fsearch%3fq%3dreflections%2bon%2ba%2bcoordinate%2bplane%26FORM%3dHDRSC3&view=detail&mid=A4441AD0940FD33C7A2EA4441AD0940FD33C7A2E&&FORM=VDRVRV	**ONLINE RESOURCES:** **TRANSLATIONS ON A COORDINATE PLANE** https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&ru=%2fvideos%2fsearch%3fq%3dreflections%2bon%2ba%2bcoordinate%2bplane%26FORM%3dHDRSC3&view=detail&mid=F493A11F1049B7BB9CD7F493A11F1049B7BB9CD7&&FORM=VDRVRV **SOLVING A REFLECTION PROBLEM** https://www.bing.com/videos/search?q=REAL+WORLD+reflections+on+a+coordinate+plane&&view=detail&mid=0B741C363AAFB1549B4F0B741C363AAFB1549B4F&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3DREAL%2520WORLD%2520reflections%2520on%2520a%2520coordinate%2520plane%26qs%3Dn%26form%3DQBVDMH%26sp%3D-1%26pq%3Dreal%2520world%2520reflections%2520on%2520a%2520coordinate%2520plane%26sc%3D0-44%26sk%3D%26cvid%3D906DB91AD96843D0B9ECC0C4684014B9	https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&ru=%2fvideos%2fsearch%3fq%3dreflections%2bon%2ba%2bcoordinate%2bplane%26FORM%3dHDRSC3&view=detail&mid=A7440A5B2ECB11C2C60EA7440A5B2ECB11C2C60E&&FORM=VDRVRV **ROTATING A FIGURE AROUND THE ORIGIN** https://www.bing.com/videos/search?q=reflections+on+a+coordinate+plane&ru=%2fvideos%2fsearch%3fq%3dreflections%2bon%2ba%2bcoordinate%2bplane%26FORM%3dHDRSC3&view=detail&mid=A55FE3105D83D6B97E66A55FE3105D83D6B97E66&&FORM=VDRVRV