2020-2021 SCOPE & SEQUENCE RECOMMENDED ADJUSTMENTS

5th Grade Mathematics

The purpose of this document is to support teachers and leaders in making adjustments to the Fishtank Math Curriculum for the 2020-2021 school year. In developing the guidelines, we consulted Student Achievement Partner's 2020–21 Priority Instructional Content in English Language Arts/Literacy and Mathematics as well as incorporated knowledge of the progressions of mathematical content as they unfold in the Fishtank Math Curriculum. The recommendations aim to identify opportunities where additional, targeted remediation can occur, while ensuring a deep focus on grade-level content. We recognize that while the remote learning experience of this past spring has undoubtedly varied from student to student, this pandemic has magnified many existing inequities in educational access and opportunity. Our guidance for curricular adjustments aims to preserve deep engagement with grade-level content which we believe is critical for equitable instruction for all students.

Knowing that additional time will be needed to address unfinished learning and that pacing will be important, the guidance in this document serves to:

1. Highlight critical grade-level content that should be prioritized,
2. Identify opportunities where lessons can be reduced, combined, or eliminated in ways that will minimize negative impact on student progress and preserve grade-level priorities, and
3. Identify specific places where strong connections to prior grade-level work are beneficial to diagnose and integrate into the curriculum.

These guidelines are not designed as strict instructions on how to adjust the curriculum. Rather, they are meant to support teachers in making the curricular decisions that are right for their students. In particular, this resource provides some guidance around incorporating prior grade-level work based on "just-in-time" content connections, but it does not specify how deep to go into that work or how long to spend on it, as that type of diagnosis and planning will be most effective at the individual level. As noted in the document, our Pre-Unit Assessments, available to Fishtank Plus users, is one resource that can support this diagnosis and curriculum integration. Teachers can also create their own diagnostic assessments using the standard connections mentioned in this resource as well as the foundational standards indicated on the unit page for each unit.

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Unit 1 Place Value with Decimals

Allow for time to develop students' understanding on foundation work of decimal fractions (4.NF.C) to support entry into understanding the place value system with decimals. Pre-unit assessment may be valuable in identifying specific prior grade-level work to incorporate into the unit.

Topics	*Cluster(s)*	*Recommendations*
A: Place Value with Whole Numbers	5.NBT.A	Consider consolidating or eliminating Lessons 1 and 3. Pre-unit assessment may be valuable in informing what can be skipped.
B: Place Value with Decimals	5.NBT.A	Do not eliminate or consolidate lessons.
C: Reading, Writing, Comparing, and Rounding Decimals	5.NBT.A	Do not eliminate or consolidate lessons.

Unit 2 Multiplication and Division of Whole Numbers

Consider incorporating foundational work on multiplying and dividing multi-digit whole numbers (4.NBT.B.5 & 6) to support students' work operating with multi-digit whole numbers and decimals. Pre-unit assessment may be valuable in determining the extent to which this is needed.

Topics	*Cluster(s)*	*Recommendations*
A: Writing and Interpreting Numerical Expressions	5.OA.A	Combine Lesson 2 and 3 in order to reduce the amount of time spent on writing and interpreting numerical expressions.
B: Multi-Digit Whole Number Multiplication	5.NBT.B	Eliminate problems in which either factor has more than three digits. As a result, eliminate Lesson 8 and consolidate Lesson 9 to remove this work.
C: Multi-Digit Whole Number Division	5.NBT.B	Do not eliminate or consolidate lessons.

Unit 3 Shapes and Volume

Topics	*Cluster(s)*	*Recommendations*
A: Volume of Three-Dimensional Figures	5.MD.C	No special considerations. Time spent on instruction and practice should NOT be reduced.
B: Classification of Two-Dimensional Shapes	5.G.B	Consolidate Lessons 9 and 14 in order to reduce the amount of time spent on classifying two-dimensional figures into categories based on properties. Consider consolidating Lessons 10-13 for this reason, as well.

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Unit 4 Addition and Subtraction of Fractions and Decimals

Topics	*Cluster(s)*	*Recommendations*
A: Addition and Subtraction of Fractions	5.NF.A	Incorporate foundational work on equivalent fractions (4.NF.A.1) and on the conceptual understanding underlying fraction addition (4.NF.B.3) to support students' work on adding and subtracting fractions with unlike denominators (5.NF.A). Pre-unit assessment may be valuable in determining the extent to which this is needed.
B: Addition and Subtraction of Decimals	5.NBT.B	Incorporate students' understanding of decimal fractions (4.NF.C) to support entry into the grade 5 work of operations with decimals. Pre-unit assessment may be valuable in determining the extent to which this is needed.

Unit 5 Multiplication and Division of Fractions

Topics	*Cluster(s)*	*Recommendations*
A: Fractions as Division	5.NF.B	Do not eliminate or consolidate lessons.
B: Multiplying a Fraction by a Whole Number	5.NF.B	Incorporate foundations for multiplying fractions by whole numbers (4.NF.B.4) to support students' work in multiplying fractions and whole numbers by fractions. Pre-unit assessment may be valuable in determining the extent to which this is needed.
C: Multiplying a Fraction by a Fraction	5.NF.B	Do not eliminate or consolidate lessons.
D: Multiplying with Mixed Numbers	5.NF.B	Do not eliminate or consolidate lessons.
E: Dividing Fractions	5.NF.B	Do not eliminate or consolidate lessons.
F: Fraction Expressions and Word Problems	5.OA.A 5.NF.B	Eliminate Lesson 22 in order to reduce the amount of time spent on writing and interpreting numerical expressions.
G: Line Plots	5.MD.B	Consider consolidating Lessons 23 and 24 in order to focus on strongly reinforcing the fraction work of this grade.

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Unit 6 Multiplication and Division of Decimals

Consider incorporating students' understanding of decimal fractions (4.NF.C) to support entry into the grade 5 work of operations with decimals. Pre-unit assessment may be valuable in determining the extent to which this is needed. Consider incorporating foundational work on multiplying and dividing multi-digit whole numbers (4.NBT.B.5 & 6) to support students' work operating with multi-digit whole numbers and decimals. Pre-unit assessment may be valuable in determining the extent to which this is needed.

Topics	*Cluster(s)*	*Recommendations*
A: Multiplying Decimals	5.NBT.B	Do not eliminate or consolidate lessons.
B: Dividing Decimals	5.NBT.B	Do not eliminate or consolidate lessons.
C: Decimal Expressions and Word Problems	5.OA.A 5.NBT.B	Eliminate Lesson 19 in order to reduce the amount of time spent on writing and interpreting numerical expressions.
D: Measurement Conversion and Word Problems	5.MD.A	Consider eliminating Lesson 20, since it reviews unit conversion work from Grade 4. At the very least, combine it with Lesson 21 in order to reduce the amount of time spent converting measurement units. Combine Lessons 22 and 23 for the same reason.

Unit 7 Patterns and the Coordinate Plane

Emphasize interpreting coordinate values of points in the context of a situation.

Topics	*Cluster(s)*	*Recommendations*
A: Introduction to the Coordinate Plane	5.G.A	Consider incorporating foundational understandings of number lines (such as found in the work of 4.NF) into the work of extending number lines to the coordinate plane. Pre-unit assessment may be valuable in determining the extent to which this is needed.
B: Drawing Figures and Shapes in the Coordinate Plane	5.G.A	Depending on remaining instructional time in the year, consider consolidating Lessons 5-9. This will allow for time for Lessons 10 and 11, which focus on interpreting coordinate values of points in the context of a situation.
C: Real-World Problems and Patterns in the Coordinate Plane	5.G.A 5.OA.B	Eliminate Lesson 12.

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