Course Overview: Integrated Math
In this course, students will be covering the 7th grade Common Core State Standards (CCSS), which primarily focus on operations with ratios and proportions, as well as fluency with calculations involving negative numbers.

Units and Activities: What will we be learning about and doing in this course?
The content which will be covered is taken from the 7th grade Content Standards of the CCSS, which are outlined below. This class will cover approximately the first two thirds of these standards.

- Analyze proportional relationships and use them to solve real-world and mathematical problems.
- Apply and extend previous understandings of operations with fractions.
- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- Draw construct, and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
- Use random sampling to draw inferences about a population.
- Draw informal comparative inferences about two populations.
- Investigate chance processes and develop, use, and evaluate probability models.

Standards: What skills will I gain by the end of this course?
In addition to the content outlined above, the skills gained by the end of this course are outlined by the CCSS, Math Practice Standards. Students will be assessed on these skills, which are as follows:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.

Team Pathfinders is an interdisciplinary team that includes Global Studies, English, Science, and Math. We collaborate to meet the social, emotional, intellectual, and physical needs of 7th-grade students. Part of that is a set of common expectations. These include:
1. **Hydration!** Your brain needs water to function at its highest levels. Please bring a filled water bottle to class.

2. **Communication:** There may be times when you have to miss class. Please e-mail us or see us in person before or after school to check in about what you missed.

3. **Engagement:** We care deeply about your learning. Please help us by arriving on time with the materials you need to be fully present in class.

**Assessment of Learning**

**Assessment Types:**
Three types of assessments will be used to determine if you have gained the necessary knowledge and skills of this course: Formative assessments, Summative assessments, and Habits of Work for Learning. Each is briefly described below:

**Formative Assessments:** *Formative = Forming my knowledge and skills.* Formative Assessments receive a weight of .1 in the overall grade. Formative assessments are information for teachers, students, and parents on the progress students are making as they practice gaining knowledge and skills found in Anchor Standards. Teachers use the results of these assessments as data to understand individual student learning needs, adjust instructional pathways, and modify lessons to help students better meet course standards. Students use the results of these assessments to determine how they are progressing and to plan steps to ensure their success.

**Summative Assessments:** *Summative = Summation of my knowledge and skills.* Summative Assessments can receive three different weights: 1, 1.5, or 2 depending on the size of the assessment, and therefore have the greatest impact on the Overall Course Mastery Grade. Summative assessments are used as a measure of independent student achievement in Anchor Standards. Throughout this course, summative assessments provide benchmark student achievement data. A summative assessment will always have clear scoring criteria for students to understand how they are performing.

**Habits of Work for Learning:** Habits of Work for Learning (HOWLs) are skills and dispositions that are essential to the learning process but do not provide evidence of what a student knows or can do in relation to content. WUHSMS teachers work to foster Habits of Work for Learning in three categories: preparation, participation, and perseverance.

**Assessment Scoring:**
Teachers will provide framing for summative assessment scores using proficiency level scoring criteria for grading similar to the example below:

<table>
<thead>
<tr>
<th>Anchor Standard: Computational Modeling</th>
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</thead>
<tbody>
<tr>
<td><strong>Course Standards:</strong> NGSS HS-L2-1 Use mathematical and/or computational representations to support explanations of factors that affect the carrying capacity of ecosystems at different scales. NGSS HS-LS2-4 Use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem.</td>
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<tr>
<td>Representation</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Computational Modeling &amp; Analysis</td>
</tr>
</tbody>
</table>

**HOWL Scoring:**

HOWLs will be scored at least once per checkpoint, and will be based on the frequency with which students demonstrate each of the habits: preparation, participation, and perseverance.

**How is my Overall Course Grade Determined?**

Overall course grades will be reported as letter grades and will be comprised of:

- Formative & Summative Scores: 95%
- HOWLs: 5%

For more information, please see the WUHSMS student handbook.

**Communication:**

**How Do I Know My Grades?**

- On Summative Assessments, a teacher will provide both a 4-point grade and a letter grade.
- You can monitor your progress in the following ways:
  - By reading feedback and scoring returned to students on summative assessments
  - By monitoring the scores and Overall Course Mastery Grade in the Parent/Student portal on JumpRope
  - By monitoring the grades sent home quarterly through report cards

**Where Can I Find This Syllabus during the School Year?**

- This syllabus will be available on the school website in each subject’s department tab once the school year is up and running.

**How Do I See What’s Past Due?**

- If a student is missing an assessment, it will be listed in the red “Missing Assessment” section of the JumpRope Parent/Student Portal along with any attachments.

**Schoolwide Procedures:**

Please see the Student Handbook for Procedures and Policies related to: Due dates and deadlines, extra credit, retaking assessments, and turnaround time for grade entry.

**Personal Mobile Devices:** This class will follow the procedures outlined in the student handbook.
I have read this syllabus, and I have contacted the teacher with any questions I have.

Student name (printed): ________________________________

Student Signed: ___________________________ Date: ________________

Parent/Guardian name (printed): ________________________________

Parent Signed: ________________________________ Date: ________________