

Pequannock Township School District Curriculum Syllabus

PAWS Grade 3

Course Description:

The PAWS curriculum is designed to support all students in the development of number sense, fluency, and an understanding of mathematical concepts. The curriculum is a guide for teachers as they determine the best ways to support their students in progressing in the aforementioned areas.

Course Standards:

The following is a list of NJSLS that describe what students are expected to know and be able to do as a result of successfully completing this course. The following NJSLS are the basis of the assessment of student achievement. The learner will demonstrate mastery of:

Operations & Algebraic Thinking

1. Understand properties of multiplication and the relationship between multiplication and division. 3.
OA.B.5
2. Multiply and divide within 100.
3.OA.C.7
3. Solve problems involving the four operations, and identify and explain patterns in arithmetic.
3.OA.D.9

Number & Operations in Base Ten

4. Use place value understanding and properties of operations to perform multi-digit arithmetic.
3.NBT.A.2, 3.NBT.A.3

Measurement & Data

5. Represent and interpret data. 3.
MD.B.3
6. Understand concepts of area and relate area to multiplication and to addition. 3.
MD.C.5, 3.MD.C.5 a-b, 3.MD.C.6, 3.MD.C.7, 3.MD.C.7a-d
7. Recognize perimeter as an attribute of plane figures and distinguish

between linear and area measures.

3.

MD.D.8

Standards for Mathematical Practice

1. Construct viable arguments and critique the reasoning of others. *SMP3*
2. Look for and make use of structure. *SMP7*
3. Look for and express regularity in repeated reasoning. *SMP8*

Scope and Sequence

<p>Unit 1 (Trimester 1)</p> <p>Number Talk Unit 1 Fluency Unit 1A: Focus on Addition and Subtraction Fluency Unit 1B: Focus on Multiplication, 0-2, 5, 10 PAWS Project 1: Math - <i>In My School</i></p>
<p>Unit 2 (Trimester 2)</p> <p>Number Talk Unit 2 Fluency Unit 2: Focus on Multiplication, x3 and x4 PAWS Project 2: Math - <i>Area and Perimeter in the Real World</i></p>
<p>Unit 3 (Trimester 3)</p> <p>Number Talk Unit 3 Fluency Unit 3: Focus on Multiplication, x6-9 PAWS Project 3: Math - <i>Cooking Up Fractions!</i></p>

Assessments

Evaluation of student achievement in this course will be based on the following:

- a. Teacher observation
- b. Student self-monitoring of progress

Curriculum Resources

Instructional Resources:

- Number Talks: Helping Children Build Mental Math and Computation Strategies
- *Mastering the Basic Math Facts in Addition and Subtraction* by Susan O’Connell

- and John SanGiovanni
- *Mastering the Basic Math Facts in Multiplication and Division* by Susan O'Connell and John SanGiovanni

Home and School Connection

The following are suggestions and/or resources that will help parents support their children:

- YouCubed parent resources: <https://www.youcubed.org/resource/parent-resources/>
- Table Talk Math parent resources: <https://www.tabletalkmath.com/resources.html>
- [Fluency Without Fear: Research Evidence on the Best Ways to Learn Math Facts](#)