

Pequannock Township School District Curriculum Syllabus

PAWS Grade 2

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. Represent and solve problems involving addition and subtraction
2.OA.A.1
2. Add and subtract within 20. 2.
OA.B.2
3. Work with equal groups of objects to gain foundations for multiplication 2.
OA.C.3, 2.OA.C.4

Number & Operations in Base Ten

4. Use place value understanding and properties of operations to add and subtract. 2.
NBT.B.5

Measurement & Data

5. Represent and interpret data 2.
MD.D.9, 2.MD.D.10

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

Unit 1 (Trimester 1) Number Talk Unit 1 Fluency Unit 1: Addition and Subtraction Using Tens PAWS Project 1: Math - <i>Going Mental for Numbers!</i>
Unit 2 (Trimester 2) Number Talk Unit 2 Fluency Unit 2: Addition and Subtraction Using Tens PAWS Project 2: Math - <i>Addition and Subtraction - Game on!</i>
Unit 3 (Trimester 3) Number Talk Unit 3 Fluency Unit 3: Addition and Subtraction within 20 PAWS Project 3: Math - <i>Counting Corals!</i>

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
- *Games and Tools for Teaching Addition Facts* by Jennifer Bay-Williams and Gina Kling (folio)

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](#)