

# Pequannock Township School District Curriculum Syllabus

## PAWS Grade 1

### 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.  
*1.OA.A.1*
  2. Understand and apply properties of operations and the relationship between addition and subtraction.  
*1.OA.B.3, 1.OA.B.4*
  3. Add and subtract within 20. 1.  
*OA.C.5, 1.OA.C.6*
  4. Work with addition and subtraction equations. 1.  
*1.OA.D.7, 1.OA.D.8*
- Number & Operations in Base Ten**
5. Extend the counting sequence. 1.  
*NBT.A.1*
- Measurement & Data**
6. Work with time and money. 2.  
*MD.C.8*
- Geometry**
7. Reason with shapes and their attributes. 1.  
*G.A.1, 1.G.A.2*

### 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

<b>Unit 1 (Trimester 1)</b>  Number Talk Unit 1 Fluency Unit 1: Beginning Addition Strategies PAWS Project 1: <i>Stories to Count On</i>
<b>Unit 2 (Trimester 2 )</b>  Number Talk Unit 2 Fluency Unit 2: Addition and Subtraction Strategies within 10 PAWS Project 2: <i>Growing with Graphs</i>
<b>Unit 3 (Trimester 3 )</b>  Number Talk Unit 3 Fluency Unit 3: Pushing Addition and Subtraction to 20 PAWS Project 3: <i>Shop to Swap</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](#)