

Incorporating Vermont PBS Into Your Classroom

Program: *Peg + Cat*

Grade(s): PreK-2 – Grade 3

Ways to watch: Vermont PBS stations; [PBS Kids](#); Streaming (Amazon, YouTube, etc.)

About: The *Peg + Cat* on-air series and online resources provide many opportunities for educators to introduce or reinforce early math concepts. In each 11-minute on-air episode of this animated, math-based series for 3-8 year olds, *Peg + Cat* find themselves thrust into the middle of a wacky word problem. This problem isn't just an academic exercise for them—it's a messy, funny, real-life crisis they have to solve to get out of trouble. *Peg + Cat* grapple with all kinds of loopy obstacles under intense time pressure. They write out diagrams and charts on the graph paper that comprises their background. They interact with one another in their own quirky, comical way. And somehow, they always find a way to solve the math problem and save the day.

Primary Connection to the [Vermont Early Learning Standards \(VELS\)](#)

III. Learning About Our World: Mathematics

| <i>Elements</i> | <i>Goals</i> |
|--|---|
| 1. Number Sense, Quantity and Counting a. Number Sense and Quantity (PreK) b. Counting and Cardinality (K-3) | 1a. Children count in sequence, recognize numerals, connect numerals with quantities, and compare quantities. (PreK) 1b. Children count in sequence and by multiples, represent numerals, connect counting to cardinality, and compare quantities. (K-3) |
| 2. Number Relationships and Operations a. Number Relationships and Operations (PreK) b. Operations and Algebraic Thinking (K-3) c. Numbers and Operations in Base Ten (K-3) | 2a. Children increasingly use numbers to describe relationships and to solve mathematical problems. (PreK) 2b. Children develop and use concepts, properties, and representations of numbers that extend to other number systems, to measures, and to algebra. (K-3) 2c. Children develop an understanding of the base ten system and use place-value notation. (K-3) |

| <i>Elements</i> | <i>Goals</i> |
|--|--|
| 3. Measurement, Classification, and Data a. Measurement, Comparison, Classification, and Time (PreK) b. Measurement and Data (K-3) | 3a. Children develop awareness of differences of the objects and learn to sort, compare, and classify objects by their attributes and properties and a rudimentary sense of time based mostly on common routines. (PreK) 3b. Children compare and classify objects according to their attributes, use Standards and non-Standard units of measure, tell time and work with units of money. They develop the ability to represent and interpret data, and use operations to solve problems related to measurement including geometric measurement. (K-3) |
| 4. Geometry and Spatial Reasoning a. Geometry and Spatial Sense (PreK) b. Geometry (K-3) | 4a. Children increasingly recognize two- and three-dimensional objects and use spatial reasoning. (PreK) 4b. Children recognize, describe and characterize shapes by their components and properties, compose and decompose geometric shapes, and discuss spatial structures and relations. (K-3) |

Additional VELs' Sections and Domains to Explore with *Peg + Cat*:

- III. Learning About the World: Social Studies

Resources: Use the following carefully curated resources to support teaching social and emotional skills and more with *Peg + Cat*.

For Educators:

- [PBS Kids](#) and [PBS Learning Media](#)
- [Peg + Cat – Resources and Episode-Specific Activities](#) (click and scroll down)
- [COVID Related](#)
- [AOE Continuity of Learning](#)

For Families:

- [PBS Parents](#)

You may also be interested in these PBS programs:

- [The Odd Squad](#) (Mathematics)
- [Hero Elementary](#) (Science; Social and Emotional Skills)
- [Molly of Denali](#) (Social Studies; Literacy)