

# Newburgh Teacher Center

## In-service Course Proposal

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Title:	Primary Mathematics Literature Connection		
Curriculum Area:	Mathematics and ELA		
Learning Standards:	Math: PK.PS.1, PK.PS.2, PK.PS.3, PK.PS.4, PK.PS.5, PS.PK.6, PK.PS.7, PK.PS.8, PK.PS.9, PK.PS.10, PK.CM.2, PK.CM.3, PK.CN.1, PK.CN.2, PK.CN.3, PK.R.1, PK.R.3, PK.R.4, PK.R.5, and many more. (K, 1 and 2 also)		
Presenter(s):	Dawn D'Elicio & Carol Franklin	Email:	cfrankli@newburgh.k12.ny.us
Dates:	Thursdays 9/17, 9/24, 10/1, 10/8, 10/15, 10/22, 10/29, 11/5, 11/12, 11/19		
Time:	4:15 – 7:15		
Location:	Balmville: Cafeteria and Computer Lab		
Credit(s):	2		
Hours:	30		
Target Audience:	Primary teachers and teaching assistants		
Course Description:	<p>Primary authors' literature will be showcased. The use of primary math and literature in mathematical concepts will be demonstrated. Internet resources may be examined. Then the participants will spend 3+ additional hours putting together a lesson using a math/literature author storybook and the activity to go with it. Pictures, video and/or student work may be included to demonstrate how a primary math and lesson was used with students.</p>		
Course Requirements:	<p>Perfect attendance at All sessions is a must for credit.            Full participation in classroom activities            Completion of assignments.            A log of 3+ hours spent putting together one lesson using a math/literature book and the activity to go with it.            Share with class the lesson presented</p>		
Maximum Enrollment:	25		

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*Credit and permission granted by Jay McTighe – UbD*

**Name of In-service Proposal:** Primary Mathematics Literature Connection

**Name of Instructor(s):** Dawn D'Elicio & Carol Franklin

**Desired Results**

**Goal(s):** Our goal is to showcase primary authors and their books. The teachers will be shown how to use different authors' work to increase mathematical understanding by using literature.

**Understanding(s):**

Directed/Interactive Instruction  
Cognitive strategies  
Meeting NYS Standards  
Cooperative small groups

**Essential Question(s):**

How do you develop a math lesson/ or unit?  
Do you know the NYS Learning Standards? And are you using them?  
What things do you use during your instruction to effect/improve student achievement?

**Knowledge/Skills:**

Mathematical concepts such as problem solving, number sense, making connections, reasoning, communication, representation, algebra, geometry, measurement, statistics and probability,

**Assessment Evidence**

**Direct Evidence:**

All the above can be observed in formal and informal observations.

**Learning Plan**

**Learning Activities:**

Read selected books aloud  
Share lesson ideas  
Hands on activities using manipulatives to re-teach the mathematical concept taught by the book  
Small and large group work on murals, puppet theater, re-telling story, illustrations, patterning, etc.  
Presentation of a primary math and literature unit

