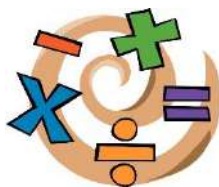


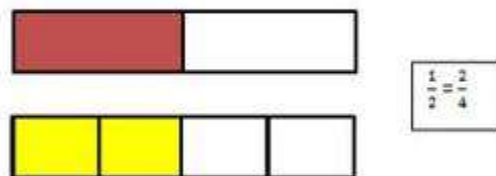
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Math In Focus is the math curriculum used by BGP, TIS and TMS (grade 8 joins the MIF team in 2016) in District. Math In Focus is based off of the Singapore approach. It focuses on problem solving as the foundation of mathematical learning using a variety of models to help students visualize and understand mathematical concepts. This program teaches concepts using a concrete–pictorial–abstract learning progression to anchor student knowledge in real-world, hands-on experiences, supported by technology applications. Math in Focus encourages positive student interaction with mathematics, which results in students developing an ability to easily solve complex, real-world math problems.

A typical Math In Focus unit will begin with a pre-assessment for prior knowledge and background. The teacher will then determine which students need additional background and how to “back fill” the information to the individual students or class as a whole when needed. The Math In Focus transitional guide will connect teachers to previous grade level lessons, tasks and activities.

Then, direct instruction begins for the whole class. Once the anchor task is complete students will begin guided practice. Students will be introduced to new concepts at the concrete level and then led to the pictorial and finally the abstract. This progression allows students to touch and move physical manipulatives as they develop number sense and mental math skills. This is not a solely linear process as students can move back and forth to the concrete and pictorial as needed. The goal is for students to be able to visualize the math during mental math activities. Students are then able to develop and explain their thought process versus just memorizing an answer.



Guided practice is a place where teachers can differentiate the learning and practice based on the individual student’s needs.

Students will then progress to independent practice and a teacher will determine who needs a reteach lesson (with an adult), extra practice, or enrichment (challenge) problems to work on. Students can be given

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independent practice through the workbook, journal writing, and technological applications

Students may or may not have written homework each night. However, there is always something they could be working on at home. All students in grades 1-5 have been given a Digi Plus account to practice their math skills as well as access to Think Central which is the virtual version of all student textbooks, and virtual manipulatives.

[Singapore Math Background Videos \(click on the appropriate grade level\):](#)

[Grade K](#) | [Grade 1](#) | [Grade 2](#) | [Grade 3](#) | [Grade 4](#) | [Grade 5](#)

Think Central, is an online learning resource that provides an interactive and dynamic learning interface for students. Here, parents can access their student's textbook to help support math learning at home. The digital textbook is a great way for students to review what was taught in class and offers a variety of problems students can do for extra practice with the concepts and skills presented. To sign into Think Central type the url addresses below or click the link on the Tolland Public Schools web page or enter through the BGP/TIS homepage. Then enter the information below to access your child's individual account.

<https://www-k6.thinkcentral.com/ePC/start.do>

Sign in: Students PowerSchool #

Password(BGP): tolland1

Password(TIS): students individual computer id

The second online component is *Math in Focus*® *Digi+*™. *Math in Focus*® *Digi+*™ contains thousands of multimedia resources for students at all ability levels. Each *Math in Focus*® *Digi+*™ lesson contains several components, which are aligned to every part of *Math in Focus* lessons. In *Digi+*™ academic practices are carefully crafted with step-by-step scaffolding, and can be printed out or assigned as online work. *Math in Focus*® *Digi+*™ allows teachers to

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identify students' needs and assign lessons based on student results. Here appropriate remediation and additional enrichment problems can be assigned to help students meet class expectations outside of class time. We will be using *Digi+* as an instructional tool for independent practice.

To sign into *Digi+* you can use the url address below or click the link on the Tolland Public Schools web page or enter through the BGP/TIS homepage. Then enter the information below to access your child's individual account.

<http://www.mifdigiplus.com/login/>

Sign in: Students PowerSchool #

School id: 1CT0039

Password(BGP): tolland1

Password(TIS): students individual computer id

We hope you will take advantage of these online resources and that they will be a useful tool in supporting math learning at home.

Sincerely,

Kelly L Doubleday

Math Curriculum Coordinator

Tolland Public Schools