

Wallkill Central School District Instructional Program and RTI Tiers for Math
 Grades K-6
 Updated Winter 2018

	Target Participants	Instruction Program	Areas of focus in Common Core Program	Supplemental Materials	Diagnostic Assessments
<p>Tier 1</p> <p><i>Researched based core instruction within the classroom from General Education Teacher for all students that includes prevention and early intervention.</i></p>	All Students	<p><u>Pearson EnVision Realize Math Program</u> (60 minutes per day)</p> <p>Close progress monitoring by the classroom teacher</p>	<p>Implement Mathematical Practices:</p> <ul style="list-style-type: none"> • Make sense of problems and persevere in solving them • Make sense of quantities • Construct viable arguments (justify) and critique the reasoning of others • Model with math (graphs, formulas etc.) • Use appropriate tools (calculators, rulers etc.) strategically • Attend to precision (state meaning of symbols, specific units etc.) • Look for and make use of structure (patterns, structure etc.) • Look for and express regularity in repeated reasoning (repeated calculations-lead to shortcuts) 	<ul style="list-style-type: none"> • <u>Math Centers from EnVision Realize Math</u> : <ul style="list-style-type: none"> ○ Visual Video <ul style="list-style-type: none"> ▪ Individual Differentiation ○ Math Program Reteaching Pages • <u>IXL – Math</u> • <u>Engage NY Math Modules</u> • <u>Compass Learning</u> • <u>SMART Learning Suite Software</u> • <u>Schoology</u> • <u>Chrome Book Apps</u> <p>Integrates targeted instruction in Math practices and math fluencies necessary for success - Black Box Intervention Kit</p>	<p>STAR Benchmarks District Benchmarks Formative and Summative assessments EnVisions Assessments for Math Engage NY Exit Tickets</p>
<p>Tier 2</p> <p><i>In addition to Tier 1: Targeted intervention</i></p>	Some at Risk Students who are not responding	K-2 Small group instruction at individual skill level with classroom teacher and/or teacher aide	<p>Basic math skills Problem Solving Increase math vocabulary</p>	<p>EnVision Math Classroom Diagnosis and Intervention Resources System 2.0</p> <p><u>SMART Learning Suite Software</u></p>	<p>STAR Benchmarks District Benchmarks Formative and summative assessments</p>

Exit criteria for lab settings are determined by the lab teacher and classroom teacher and based on individual student’s progress. Students must have made adequate progress to be exited from the lab.

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<p><i>for students at risk and not responding to Tier 1 using rapid response and frequent progress monitoring.</i></p>	<p>to Tier 1 in the classroom</p>	<p><u>Grades 3-6 AIS Math LAB:</u> One 40-minute session in a six-day cycle of math lab.</p> <p>Grades 3-6 eSpark– Students receive 60 to 90 minutes of personalized math instruction via computer based learning 3-6 per week.</p>		<p><u>AIS Teacher Webpage by Skill</u></p>	
<p>Tier 3 <u>In addition to Tier 1 & 2:</u> <i>Intensive interventions with individual students along with diagnostic assessments for targeted areas with high intensity. Typically, the most intense level of a multi-level prevention system.</i></p>	<p>At Risk Students significantly below State Proficiency Level</p>	<p>In addition to tiers 1 and 2</p> <p>Additional time with teaching assistant to reinforce basic math skills may be added to programming</p> <p>Additional espark time may be added to classroom math independent work station</p> <p>Additional progress monitoring by math lab teacher or classroom. Additional 1:1 instruction with classroom teacher and/or math lab teacher</p>	<p><u>Intervention Program includes instruction in mathematics using the research based teaching strategies listed:</u></p> <ul style="list-style-type: none"> • Explicit Direct Instruction provided on a regular basis • Use multiple examples when presenting math problems and solutions • Visually represent information in the math problem • Use multiple strategies to solve problems • Use formative assessment data to inform instruction • Provide time for peer assisted instruction 	<p>Multi-Sensory Math Activities</p> <p>SMART Learning Suite Software</p> <p><u>AIS Teacher Webpage by Skill</u></p>	<p>STAR Benchmarks District Benchmarks Formative and summative assessments</p>

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