

Glen Rose Elementary School Math and Science Plan 2021-2022

The mathematics PLC will develop and implement a curriculum map that is aligned to the state standards, and skills that were not taught in the spring of 2020 due to COVID-19.

Key components and/or strategies	Administrative Responsibility	Teacher Responsibility	Timeline	Assessment	Evidence
All teachers will complete yearly professional development as mandated by the district or state.	Provide the PD schedule.	Attend and/or complete the required professional development	June 2021-May 2022	Complete all projects or implement new learning in the classroom.	PD certificates or copy of professional development transcript.
Math and Science teachers will meet each summer to update curriculum maps and will focus on state standards, focus standards, and areas of weakness.	Provide support, locations, and opportunities for teachers to collaborate.	Bring and have all necessary materials for collaboration. Attend all collaboration meetings.	On-going each year.	Math and Science curriculum maps based on state standards.	Mathematics and Science curriculum maps for grades K-4
Math and Science teachers will use the math and science curriculum maps that are developed	Support and monitor the teaching of the curriculum maps and focus standards	Curriculum maps that contain focus standards will be used in math and science classrooms.	On going	Classroom assessments, state interim assessments, and summative state assessments	Students scores on all assessments

Math and Science classes are scheduled each day in the elementary classroom. The classroom instruction uses grade level texts, modules, and learning through hands-on activities.

Key components and/or strategies	Administrative Responsibility	Teacher Responsibility	Timeline	Assessment	Evidence
<p>K-4th grades use Eureka Math in their math classes for classroom instruction. Each grade schedules appropriate time to cover the standards for their grade level.</p> <ul style="list-style-type: none"> *Eureka *Zearn *MobyMax *STAR Math *Xtra Math *Daily math practice 	<p>Schedule math time into each grade's daily schedule.</p> <p>Monitor classes for effective instruction in Math.</p> <p>Support Math teachers</p>	<p>Plan, teach , assess, and then adjust and remediate as needed.</p> <p>Participate in on-going professional development.</p> <p>New teachers in the district will receive training as needed.</p>	on-going	Classroom assessments, teacher observations, interim state assessments, summative state assessments	Students scores on assessments, improved scores on state assessments, STAR Math assessments
<p>Most of the special education mathematics classes are done through inclusion. The regular and special education teachers will work together to teach math to all students.</p>	<p>Provide scheduling and materials needed in a co-teaching classroom environment</p>	<p>Collaborate to prepare instruction and materials for lessons and students both onsite and digitally online</p>	On-going	IEP's, Classroom assessments, teacher observation, Interim state assessments, summative state assessments	Classroom assessment scores, IEP's, Interim assessment scores
<p>Students (including special education) will have opportunities in</p>	<p>Support and monitoring</p>	<p>Meet with grade level and subject PLCs to</p>	On going	Unit assessments, classroom assessments and teacher observations	Documentation of activities

Science class to participate in group activities and hands-on science experiments. Social distancing and disinfecting materials will be used when feasible and as needed to meet health and safety guidelines.	Allow for purchasing of supplies for the activities Provide cleaning supplies	discuss and work together on activities for the students			Student presentations
Kindergarten teachers incorporate Science through Mystery Science.	Make materials available to teachers	Plan, teach, then assess the Science standards for K. Adjust and remediate as needed.	On going	Classroom observations and teacher observations	Students progress on the standards reported on the report cards
First grade uses Mystery Science to address the state standards for first grade.	Make materials available to teachers	Plan, teach, then assess the Science standards for First grade. Adjust and remediate as needed	On going	Classroom assessments, classroom assignments, and teacher observations	Students progress on the standards reported on the report cards
Second through Fourth grade uses Mystery Science to address the state standards in Science at each grade level.	Make materials available to teachers	Plan, teach, assess and then adjust and remediate as needed	On going	Classroom assessments teacher observations interim state assessments, summative state assessments	Student scores on assessments improved scores on state assessments

All teachers and staff members will participate in a weekly Response to Intervention program which will allow for Tier1, Tier11, and Tier 111 intervention times.

Key Components and/or strategies	Administrative Responsibility	Teacher Responsibility	Timeline	Assessment	Evidence
<p>Glen Rose Elementary implemented the Istation program for remediation. Each child is assessed at the first of each month and tiered for remediation . Mrs. Reed and Ms. Gray look at the data and create groups to pull for remediation.</p>	<p>Develop a schedule for remediation and procedures</p>	<p>Attend RTI meetings, look at test data to see who needs help and on what skills</p>	<p>September</p>	<p>Istation reading and math assessments</p>	<p>Schedules and procedures that support students learning and remediation</p>
<p>Teachers will use istation activities during daily remediation time. The students will work on reading and math activities each day. Tier 111 students in Reading will spend the hour on reading. Tier 2 will split their time. Tier 2 students can be in small groups that are pulled by Mrs. Reed or Ms. Gray. Tier 1 students will work on enrichment activities in Istation. Classroom teachers will pull small</p>	<p>Monitor and support</p>	<p>Look at the testing data from each monthly Istation assessment and decide small groups and what skills to cover. Use the provided remediation to present the skills to groups. Maintain data</p>	<p>On-going</p>	<p>Classroom assessments and monthly Istation assessments</p>	<p>RTI schedule assessment scores</p>

groups to work on skills that students did not do well on that are being taught in the classroom. The groups will be ever changing as new data is obtained.		to show how intervention is going			
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Blended Learning Environment for Remote Learning Situations

Key Components and/or strategies	Administrative Responsibility	Teacher Responsibility	Timeline	Assessment	Evidence
Google Classroom will be our learning management system. Students will be issued a school Chromebook to use at school . All teachers will create Google Classrooms for their subject areas. Teachers will post weekly/daily assignments in the google classrooms .Students and teachers will use Google Classroom during onsite and virtual instruction. Teachers will also include instructional videos to help support learning and teach new content and skills.Studentswill submit	Support teachers with needed resources and materials for assignments, Provide technology to teachers and students Develop and provide check out procedures and contracts for chromebooks	Create and maintain each Google classroom Keep Google assignments updated Monitor student work and submissions through Google classroom	On-going during the blended learning school year	Student submission of all assignments Using Google classroom and other digital assignments	Student submissions of work Google classroom developed by each teacher Student grades

and or share completed assignments through Google Classroom.					
School will extend the open wi-fi to the parking lots located in front of each school. This will allow internet for students who do not have access at home.	Support technology coordinators in providing open wi-fi for students to use.	Provide support to students and families if they have questions about where and when to access wi-fi.	On going during the blended learning school year.	Students will utilize open free wi-fi in school parking lots	Video surveillance and online records of students and families utilizing school open wi-fi.
Professional Development will be provided to all teachers and staff as needed. Training will focus on using Google Classroom as our learning management system.	Develop and schedule professional development sessions Provide necessary equipment, staff, and locations for the training.	Attend all professional development sessions, have all needed materials and equipment for trainings	Summer months before school starts and on going through the blended learning year as needed	Professional development sign-in sheets, development of Google Classroom	Professional development sign in sheets, Google classroom

Glen Rose Elementary School will use a variety of assessments to determine student progress and mastery of skills and/or state standards and evaluate our programs and curriculum.

Key Components and or	Administrative	Teacher	Timeline	Assessment	Evidence
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strategies	Responsibility	Responsibility			
Teachers will design and administer end of unit exams and/or other classroom assessments to evaluate curriculum and determine student needs.	Monitor and assist teachers Provide needed materials	Create, edit, and administer classroom assessments	On-going	All students will complete the classroom and unit exams.	Student scores
Students will complete STAR Reading and STAR Math assessments 3 times a year.	Provide any needed professional development	Make sure all students are in the program	On going	All students will complete STAR Reading and STAR Math assessments.	Student scores
Students in Grades 3-4 will complete the NWEA assessment as determined by the district.	Provide PD as needed for the testing Assist with scheduling	Attend PD Prepare classroom Become familiar with the procedures	On going	98% of the students will complete the required assessments.	Student scores
Students in Grades 3-4 will complete ACT Aspire or other state assessments as required.	Provide PD as needed for the testing Assist with scheduling	Attend PD Prepare Classroom Become familiar with the procedures	Spring 2022	All students complete the state mandated test.	Student scores

