Sauganash Strategic Plan for Instructional Goals, Professional Development Plan, and Continuous Instructional Work Plan To Increase Student Achievement

Literature:
To take literature and transfer it across multiple curriculums to enhance students' writing performance; to improve academic and supplemental programs vertical cohesiveness; and to drive literacy through Common Core alignment and NWEA data results.

Rationale:
After analyzing NWEA data, teachers have a better understanding of the CCSS. Although we are on track with implementing the CCSS, **we identified some inconsistencies with instructional vertical alignment and student writing performance**.

Goals:
Literature Leaders will share information with staff on a regular basis
ILT Learning Progressions
- Increase using culturally relevant text and CPS Virtual Library in literature
- Implement ThinkCERCA in grades 5-8, weekly 2-3 lessons and student grading
- Implement Writing Workshop Program in grades K-4 professional development/vertical consistency
- Strategic Planning using NWEA data in grade level teams and MTSS committee
- Continue full consistent implementation of Café for grades kindergarten through fourth grade with mini-lessons
- Academic push in vocabulary for reading and language arts in grades K-8
- Incorporate research and inquiry based writing program across science and social studies.

Mathematics:
Increase a strong foundation of number sense through a spiraling upward curriculum that integrates a strong working knowledge of basic math computational skills, fluency, and mathematical vocabulary all driven by NWEA data results and Common Core alignment.

Rationale:
After assessing student performance on the NWEA, we **identified a commonality in number sense and mathematical vocabulary deficient across grade levels.**

Goals:
- K-5 will complete consistently Envision Math curriculum
- Professional Development - Math teacher leaders will share information with staff on a regular basis to increase vertical consistency in staff development meetings
- MTSS support based on NWEA test results; continue monthly progress monitoring

- Pre-Algebra for 6th and 7th Graders
- Algebra for All 8th grade students
- Consistent Common Core supplemental Program in math grades 2-8 Compass Learning, IXL and Engage New York web-based programs
- Strategic Planning using NWEA scores

Science:
Science Leadership School Partners with Museum of Science and Industry: Complete the school support tool for all grade levels, establish the essential element, rate each specific component, characterize the item to rate, and gather evidence for each indicator.
Curriculum and Instruction: Prioritize high-quality science and steam educational experiences in every grade to prepare students with the skills necessary for college and careers.
Develop deeper understanding of the practices, science core ideas, and crosscutting concepts by connecting learning to **student use of research writing which connects learning to student inquiry.**
Rationale:
After utilizing the information provided by the Illinois state standardized test scores in Science, **a need to strengthen understanding of inquiry- based science core concepts and research writing was identified.**
Goals:
- Museum of Science and Industry Partnership for Leadership Development and Curriculum Planning for the NGSS
- Professional Development - MSI committee/science teacher leaders will share information with staff on a regular basis to increase vertical consistency in staff development meetings
- K-4 NGSX Professional Development and Curriculum Development
- Incorporate research writing into the science curriculum across all grade levels
- STEAM Celebration-Family Night highlighting Science, Technology, Engineering, Arts and Mathematics showcasing student projects and presentations
- Kindergarten through second grade science curriculum to be consistent with 3-8 existing curriculum (increase Vertical Alignment using MSI school support tool)

English Language Learners:
Increase student achievement by **establishing and maintaining high quality professional development for teaching staff; incorporate co-teaching between teacher and ELL specialist; and provide classroom teachers with strategies to assist ELL students**.
Rationale:
After analyzing the ACCESS data, it was clear that ELL students were not meeting school growth goals. To meet the needs of our ELL students, **we feel that an increase in co-teaching time as well as teacher professional development would be beneficial.**

Goals:
- Provide high quality Professional Development to staff (ESL needs/ACCESS data) to develop teacher understanding of the language demands of texts and writing language objectives.
- ELL teacher will co-teach with classroom teachers to introduce strategies that will assist ESL students in general education classrooms
- Host an ELL Parent In-service to support student learning at home

Diverse Learners:

Improve student achievement by integrating **co-teaching between diverse learner teacher and classroom teacher; increase strategic planning through data analysis; incorporate Common Core standards in daily curriculum; and incorporate high quality professional Common Core development for special education staff**.

Rationale:

After assessing the NWEA priority group growth/attainment data for our diverse learners, which highlighted a more than 50% growth gap between our diverse learners and general education population, we concluded that there is a **need for an increase in rigor and common core alignment across all grade levels.**

STEM:

Develop a program where **students will be given tangible opportunities to apply theoretical science, math and engineering concepts in a real-world context.**

Rationale:

Statistics show that **students who receive STEM education and experience are more likely to be career and college successful as well as ready for global competitiveness.** Over the next few years, STEM related jobs will continue to increase at escalating rates. It is imperative that our students are ready to succeed in tomorrow's workplace.

- Students will get exposure to project-base learning as it relates to identifying and solving real world engineering, biomedical, and computer science problems.
- They will be learning the tools to apply this using a variety of curricula including:
- Project Lead the Way, Computer Science 4All, Increase learning opportunities for additional Code lessons, 3-D printing, Engineering/Robotic Kits
- Hour of Code; Technology Lab will partner with STEM