

BROWNING HIGH SCHOOL

INSTRUCTIONAL PLANNING: MATH

AUGUST 2016

CURRICULUM

- ▶ All course and unit organizers except; Algebra 2, Pre-calculus, and Calculus have been developed. Principal needs to make sure that all organizers are made available to all math teachers through a shared folder.
- ▶ Math 180 is being used as our intervention program.
 - ▶ Students are assigned to math 180 based on star math assessments data and teacher recommendations.
 - ▶ Students are scheduled into math 180 in conjunction with a credit bearing math course (pre-algebra or algebra).
 - ▶ Students may test out of math 180 at the end of a semester based on star math assessment data and the math inventory.

Authentic Literacy in Math

- ▶ Currently literacy is addressed through the use of bellringer and exit strategies.
- ▶ The use of word walls has been implemented school wide.
- ▶ Plans for the student use of online course organizers with written reflections/journaling as a component have been developed by Mr. Miller but not yet implemented.
- ▶ The SLT will work with the Math Department to further develop and refine the purposeful planning and use of literacy strategies throughout the 2016-2017 school year.

Lesson Plans

- ▶ Professional Development on Madeline Hunter Lesson Plan Format will be provided during orientation.
- ▶ Expectations for the development and submission of lesson plans will be provided to instructional staff. Staff will have the opportunity to provide input on the timeframe for lesson plan submission, either weekly or for each unit.
- ▶ Feedback on lesson plans will be provided through individual contact with building administrators as well as through the instructional coach.
- ▶ Department meetings and SLT meeting will be utilized to provide feedback on professional development needs for instructional staff as a whole.

Assessments

- ▶ In the fall of each year all students in grades 9-11 will be given the STAR Math Assessment. Data will be used for lesson planning and student placement. The data may be shared with parents on an individual basis through their student's counselor for academic planning purposes.
- ▶ At the end of each semester the Star Math Assessment will be given to all students in grades 9-11 who are enrolled in a math course. This data will be used for student placement and course/unit/lesson planning.
- ▶ Students in Math 180 will also be assessed at the beginning of the year and at the end of each quarter using the Math Inventory. Data will be used for progress monitoring, placement, and planning.
- ▶ Students entering BHS as freshmen, who attended BMS, will be placed into appropriate math courses based on 8th grade STAR Math Assessment and SBAC data.
- ▶ Both the Math Department and SLT will analyze assessment data and make recommendations for action plan items.
- ▶ The ACT ASPIRE Assessment will be given to all 10th grade students in November and the ACT will be given to all 11th grade students in April/May. Data will be used for planning and placement purposes.
- ▶ Classroom data from Unit Assessments will be collected by individual teachers. Data will be used for planning and re-teaching. The aggregate data will be analyzed by the math department and SLT for recommendations on planning and professional development needs.

SLT

- ▶ The SLT will meet two times per month to review data and update ELA and Math Action plans.
- ▶ The SLT will also plan weekly grade level instruction meetings on for Fridays to include face to face meetings and the use of individual/group professional development through the use of teachscape.
- ▶ Members of the SLT will include members of the ELA, Math, Social Studies, Science, and CTE-Fine Arts Departments.

Monitoring

- ▶ Minimum of 10 Teachscape Walkthroughs for each building administrator.
- ▶ Each teacher will conduct one walkthrough each semester.
- ▶ Walkthroughs will be recorded in the Teachscape program and shared with individual teachers, the Superintendent and the instructional coach.
- ▶ Walkthroughs will be scheduled via Google Calendar.
- ▶ Bi-Weekly meetings will be held between the building administrator and the instructional coach.

Professional Development Needs

- ▶ Identified needs for professional development:
 - ▶ Madeline Hunter Lesson Plan Format
 - ▶ Development of Essential Questions
 - ▶ Schoolwide AVID Strategies
 - ▶ Teachscape
 - ▶ Google Education Apps
 - ▶ Other needs to be determined by SLT

