SPRING 2018 UPDATE

Telescoping in Mathematics
http://my.bryanisd.org/CBE

In order to provide Explore students an opportunity to be placed in an appropriate and challenging environment, students have the opportunity to take a Math Credit By Exam (CBE). If the student scores 80% or higher on the test, he or she can advance one grade level in mathematics.

Students who qualify to advance a grade level will attend math in the grade level appropriate classroom. In 5th-12th grade, students will enroll in Honors/PreAP/AP/IB level courses. Instruction for students advanced in math may also be delivered through distance learning.

Questions to consider before telescoping:

- Does my child deal well with change?
- Does my child enjoy being challenged?
- Will my child be comfortable working with older students?
- Will my child be comfortable leaving this or her classroom and entering a new classroom?
- Does my child want to telescope?

Information about the Credit by Exam
https://highschool.utexas.edu/credit_by_exam

Credit By Exam (CBEs) are developed by UT Austin and administered by the district. Summer testing takes place July 24th—26th. The passing standard for students taking a CBE for acceleration is 80%, which is set by the state. More information and CBE study guides can be found at the UT Austin High School website.

Parents interested in pursuing this opportunity must complete the Application for CBE and register no later than June 1, 2018. Forms can be picked up on campus or accessed on the Bryan ISD website. http://my.bryanisd.org/CBE Return the registration to the campus counselor.
**Math Exemplar Lessons**
[https://www.exemplars.com/about/faq](https://www.exemplars.com/about/faq)

Exemplar Lessons are a curriculum resource aligned to the state standards (Texas Essential Knowledge and Skills) and built into the BISD curriculum. These lessons support differentiation by offering multiple levels of difficulty for a problem. Students may work the easier version or the most difficult version of a problem based on their aptitude. Assignments are not graded as other traditional math assignments, but rather use a rubric to assess mastery. Explore teachers will receive training for effective use and implementation of math exemplar lessons.

**Introduction of Latin**

Third and Fourth grade students will study Latin through the Edgenuity online learning system. Students will complete half of the class each year. The study of Latin adds strength to academics studies in the following areas:

- Learning Latin provides students tools to advance their vocabulary since over 60% of the English Language comes from Latin.
- Supports the learning of English grammar
- Provides the root words for sciences
- Prepares for learning many other languages
- Helps students learn to think critically and systematically

**Khan Academy**
[https://www.khanacademy.org](https://www.khanacademy.org)

Explore teachers will use Khan Academy as an additional resource to help with differentiation. Students can use Khan Academy at home as well. Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom.

Subjects available through Khan Academy include Math (by grade or subject), Science and Engineering, Computing, Arts and Humanities, Economics and Test Prep.
Beginning Fall 2018, Explore students will be assessed using the Measure of Academic Progress (MAP). The assessment will be given at the beginning, middle and end of year. MAP provides information to teachers to help individualize learning for students as well as measure and promote academic growth. Reports are provided to parents that show standard based growth.

MAP is aligned to Texas state standards and can also be used to generate personalized study recommendations in Khan Academy.

Gifted and Talented Supplemental Certification
http://cms.texes-ets.org/texes/prepmaterials/tests-at-a-glance/

All BISD teachers who serve Gifted and Talented students have completed the state required GT 30 hour training and each year complete a 6 hour GT training update. In addition to this credentialing, Inquire teachers will exceed state expectations by passing the Gifted and Talented Supplemental Certificate exam. By earning this certificate, Explore teachers will demonstrate greater depth and expertise in meeting the needs of GT students.

MAP Growth Measure
https://www.nwea.org/parent-toolkit/

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MAP is aligned to Texas state standards and can also be used to generate personalized study recommendations in Khan Academy.

Explore Parent Meetings
SAVE THE DATE!

Next year, Mrs. Brunson will lead monthly Explore parent meetings. These meetings will be focused on specific topics to support families and student success.

Meeting Dates:
September 20, 2018
October 18, 2018
November 22, 2018
January 24, 2019
February 21, 2019
March 21, 2019
April 25, 2019
EXPLORE SPRING 2018 UPDATE

1st - 4th
- Location: Ross Elementary
- Model: School Within School
- Project Based Learning
- Self contained grade level classrooms
- Genius Hour
- Non Academic times (Specials, Lunch, PE) students are included with other Ross students.

5th - 6th
- Location: Jane Long Intermediate
- Model:
  - 5th Grade: Subset of Inquire Academy (parents may choose Odyssey, clustering of Explore students will occur as possible)
  - Two - three core teachers in 5th grade (English/Social Studies & Math/Science)
  - 6th Grade: Explore students will be clustered within Inquire courses
- Fine Arts/PE/Electives with other students
- Genius Hour transitions into Curriculum Enrichment with a focus on World Languages

7th - 8th
- Location: Davila Middle School
- Model: Subset of Inquire Academy (parents may choose Odyssey, clustering of Explore students will occur as possible)
- Explore students will be clustered within Inquire courses
- Fine Arts/PE/Electives/World Language with other students

Students may choose any of the excellent opportunities for advanced academics in high school

- Early College H.S.
  - PreAP/Advanced Placement
  - Up to 60 college credits at Blinn College
  - Unique, small school experience
  - Community Service Focus

Bryan Collegiate High School

- International Baccalaureate World School
  - College Prep Curriculum
  - Writing & Research Intensive
  - Language Focus
  - Close-knit community of scholars

Bryan High School

- Project Lead the Way
  - STEM Focus
  - 4 year path
  - PreAP/Advanced Placement
  - AP Capstone Diploma Program - beginning 2019

Rudder High School
Mission
The Explore Academy is committed to serving the unique needs of highly gifted students by providing a culture where learners engage in rigorous and meaningful learning experiences that empower them to take risks, pursue passions and make a positive impact on the world.

Goals

- To develop advanced skills and concepts in an individualized learning environment consistent with each child’s capacity and readiness
- To develop critical thinking, creative thinking, and problem solving within specialized learning environments that are designed with the whole gifted child in mind
- To engage in learning experiences that allow for new, real-world applications and creative solutions to problems
- To develop growth-minded self-understanding and confidence in one’s abilities
- To develop moral, ethical, and effective leadership and communication skills
Program Outline
1st - 4th Grade

- Location - Ross Elementary
- Model - School Within School
- Project Based Learning
- Self contained grade level classrooms
- Genius Hour
- Non Academic times (Specials, Lunch, PE) students are included with other Ross students.
5th - 6th Grade

- Location - Jane Long Intermediate
- Model -
  - **5th Grade**: Subset of Inquire Academy (parents may choose Odyssey, clustering of Explore students will occur as possible)
  - **6th Grade**: Explore students will be clustered within Inquire courses (As possible, based on student electives)
- Fine Arts/PE/Electives with other students
- Genius Hour transitions into Curriculum Enrichment with a focus on World Languages
7th - 8th Grade

- Location - Davila Middle School
- Model - Subset of Inquire Academy (parents may choose Odyssey, clustering of Explore students will occur as possible)
- Explore students will be clustered within Inquire courses (As possible, based on student electives)
- Fine Arts/PE/Electives/World Language with other students
High School

- Early College H.S.
  - PreAP/Advanced Placement
  - Up to 60 college credits at Blinn College
  - Unique, small school experience
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- Bryan Collegiate High School

- International Baccalaureate World School
  - College Prep Curriculum
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- Bryan High School

- Project Lead the Way
  - STEM Focus
  - 4 year path
  - PreAP/Advanced Placement
  - AP Capstone Diploma Program - beginning 2019

- Rudder High School
New Curriculum and Instruction Resources & Teacher Development
Telescoping in Mathematics

- Allow students the opportunity to advance 1 grade level in math.
- Student must take credit by exam for appropriate math year.
  - Ex. 1st grade student who is going to be in 2nd grade wants to take 3rd grade math. Student would take the 2nd grade math credit by exam.
- TEA requires students to pass the CBE with at least an 80% to accelerate to the next grade level.
- Students would attend math in the grade level appropriate and in 5th - 12th would be placed in honors/PAP/AP/IB level courses.
- Parents must register students for CBEs through the counselor’s office.
- Study guides for the CBE can be found on the UT High School website https://highschool.utexas.edu/credit_by_exam
Math Exemplar Lessons

- Built into each unit
- Teachers can set completion goals by student
- Students have choice about which Exemplar problem they attempt and how they present the solution. (ex. Flyer, Flip Grid, Power Point, etc)
- Project based lessons aligned to standards to build deeper understanding.
- Multiple levels of difficulty - easy, medium or hard.
- Extended time to finish. Not a necessarily one class assignment, can be complete over days or weeks.
Latin in 3rd & 4th Grade

Study Latin through the Edgenuity online service

Year long course - split in half.

Why Latin?

- Learning Latin provides students tools to advance their vocabulary since over 60% of the English Language comes from Latin.
- Supports the learning of English grammar
- Provides the root words for sciences
- Prepares for learning many other languages
- Helps students learn to think critically and systematically
Khan Academy

- Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom.
- Teachers will use in classroom to assist with differentiation. Can be used at home as well.
- Subjects available
  - Math
  - Science & Engineering
  - Computing
  - Arts & Humanities
  - Economics
  - Test Prep. (SAT)
Gifted and Talented Supplemental Certification

- **State Requirement for Teachers of GT students:**
  - 30 hours of Initial GT training in 5 specific areas (nature & needs, identification, social emotional, creativity, differentiation)
  - 6 hours of yearly update GT training

- **Texas GT Supplemental Certification - Beyond the state requirement**
  - Mastery of 7 Gifted and Talented Standards
New Student Growth Measure
Measure of Academic Progress (MAP) Growth

- MAP Growth uses a RIT scale to accurately measure what students know, regardless of their grade level. It also measures growth over time, allowing you to track your child’s progress throughout the school year and across multiple years.
- MAP Growth tests are unique in that they adapt to your child’s level of learning. If your child answers a question correctly, the next question is more challenging. If they answer incorrectly, the next one is easier. This results in a detailed picture of what your child knows and is ready to learn—whether it is on, above, or below their grade level.
- Once your child completes a MAP Growth test, they receive a RIT (Rasch Unit) score. RIT is a unit of measure that uses individual test question difficulty values to estimate student achievement.
Sample Student Report

Kiley A. Diamond

Grade: 5  |  ID: SF06000779

MATHEMATICS

- Error Margin: +/- 4.3
- Possible range: 223-231
- 3/23/2018 - 60 minutes
- Percentage of Disengaged Responses: N/A
- Est. Impact of Disengagement on RIT: N/A
- Demo Growth: Math 2-5

*Spring 2017-18

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HIGHLIGHTS

Kiley's mathematics score could benefit from focus in Geometry, Number and Operations, and Operations and Algebraic Thinking. Visit Instructional Areas for more details about which skills and concepts she is ready to learn.

Kiley is ready for instruction in mathematics at a level that is above most of her U.S. national peers. Review her scores in the Instructional Areas to find skills and concepts that will continue to challenge her.

Compared to her overall score, Kiley has a strength in Measurement and Data. As a student, she can take advantage of this strength when she is learning new material.
Sample Student Report

**COMPARISONS**

63rd
Norms Percentile
Achievement for this term, ranked against NWEA 2015 Norms Study

Proficient
NWEA Generic Linking Study
Projected result for test taken in spring

On Track 22
ACT College Readiness
Projected result for test taken in spring

**INSTRUCTIONAL AREAS**

217
Geometry

- Suggested Area of Focus

219
Number and Operations

- Suggested Area of Focus

220
Operations and Algebraic Thinking

- Suggested Area of Focus

236
Measurement and Data

- Relative Strength

**GROWTH GOALS**

**FALL 2018**

Customize the growth target for this student by setting a growth goal

**Past Goals**

There are no previous goals for this student.
Sample Student Report
Sample Student Report

INSTRUCTIONAL AREAS

Geometry

Reason with Shapes, Attributes, & Coordinate Plane

CCSS.Math.Content.2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

Kiley is ready to DEVELOP these skills (211-220):

- Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc.

CCSS.Math.Content.4.G.A.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Kiley is ready to DEVELOP these skills (211-220):

- Identifies acute or obtuse angles
- Identifies right angles
New Parent Meetings
Explore Parent Meetings

Monthly parent meetings will be held to help support families and student success. Each meeting will be focused on a specific topic relevant to Explore families.

Please feel free to email me if you have topics that you would like for us to explore together.

kristina.brunson@bryanisd.org

Meeting Dates:

- September 20, 2018
- October 18, 2018
- November 22, 2018
- January 24, 2019
- February 21, 2019
- March 21, 2019
- April 25, 2019