Cisco College

Memorandum of Understanding

Partnering School Districts and Cisco College

College Prep Mathematics and English Language Arts Courses

This Memorandum of Understanding ("MOU") is entered into as of the _____ day of _____, 2014 (the "Effective Date") between the _____ISD ("_ISD"), a Texas independent school district located at _____, and Cisco College ("CC"), a two-year college system located at 101 College Heights, Cisco, Texas 76437 and 717 E. Industrial Blvd., Abilene, Texas 79602.

Whereas, the State of Texas mandated via House Bill 5, Section 10 that each school district shall partner with at least one institution of higher education to develop and provide courses in college preparatory mathematics and English language arts.

Whereas, the parties have agreed to enter into a collaborative agreement where students at the ISD who are deemed to not be college ready per House Bill 5 and House Bill 10.

Whereas, __ISD and Cisco College jointly recognize an opportunity to better prepare students for college curriculum and to reduce college entry barriers and increase the likelihood of student success.

Now, therefore, in consideration of the mutual covenants and conditions contained in this MOU and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, __ISD and CC, intending to be legally bound, agree as follows:

1. Scope of Services. __ISD and CC agree to collaborate to develop and maintain college prep mathematics and English language arts courses that meet the terms of this agreement as outlined below in the Support and Services section of this MOU. __ISD and CC will meet periodically to maintain the integrity and evaluate the effectiveness of the program.

2. Term. The initial term of this MOU shall begin on _____, 2014 and continue for a period of one year. Thereafter, CC may renew this MOU for another year by delivering written notice to __ISD. The initial term and any renewal term(s) are collectively referred to in this MOU as "Term". Either party may terminate this MOU, without cause, upon at least thirty (30) calendar days prior written notice to the other party, with termination effective upon the expiration of the thirty (30) days or as mutually agreed to by the parties.

3. Support and Services. __ISD and CC agree to the following conditions:
   A. CC agrees to the following for both mathematics and English language arts college prep courses:

      i. To share curriculum, syllabi, learning objectives, and sample assignments from MATH 1314, ENGL 1301 and any other appropriate college courses for use of college prep curriculum development;
      ii. To provide information and training pertaining to the Texas Success Initiative ("TSI") assessment;
      iii. To provide access to the mathematics and English language arts division chairs for support and consultation;
      iv. To enroll students who successfully complete the college prep course and meet Texas Success Initiative (TSI) standards;
      v. To provide __ISD instructors, faculty and/or staff access to current dual credit courses to aid with college prep curriculum development and to provide another avenue for communication and exchanging of ideas;
      vi. To provide book, supplies and technology recommendations for each course;
      vii. To meet with ISD administrators and faculty when requested, subject to CC faculty and staff availability and schedule

   B. __ISD agrees to following for both the mathematics and English language arts college prep courses:

      i. To provide highly qualified instructors for the courses being taught;
      ii. To identify students who are not college ready as stated in HB5;
      iii. To provide professional development and resources required to teach the mathematics and English language arts courses;
      iv. To provide curriculum designed to better prepare students for college curriculum and the TSI assessment for each course;
      v. To administer the TSI assessment at the conclusion of the college prep course to determine college readiness;
      vi. To provide assistance with college enrollment and financial aid applications

4. Non-Compliance. Notwithstanding any provision herein to the contrary, if CC does not comply with any part of this MOU, and the failure to comply is not corrected within thirty (30) calendar days after written notice from CC, this MOU may be terminated immediately upon written notice from CC, in CC sole discretion.

5. Liability. Neither CC or its board members, officers, faculty or employees shall be held liable for any claims or cause of action from any groups arising from this partnership or use of college materials or curriculum. Student success and any metrics used to evaluate

the successfulness of the college prep courses are not to be representative of CC or its board members, officers, faculty or employees.

6. Notice. All notices or other communications required or permitted hereunder shall be in writing, and shall be personally delivered or sent by the U.S. postal service, electronic mail, facsimile or receipted overnight mail, and shall be deemed received upon earlier of (a) the date of delivery, if personally delivered, or (b) three (3) business days after the date of posting by the U.S. postal service, if mailed. All such notices or communications shall be addressed as follows:

If to __ISD:	Name Title __ISD Address City, Tx, Zip
If to CC:	Grant Greenwood Director of Dual Credit Programs 717 E. Industrial Blvd. Abilene, Tx 79602

Either party may change such address for notice for the party designated to receive such notice by giving advance written notice to the other party as provided in this paragraph.

7. Relationship of the Parties. It is understood and agreed that CC is a separate legal entity from __ISD and CC is not an employee, agent, joint venture, or partner of AISD. Nothing in this agreement shall be interpreted or construed as creating or establishing the relationship of employer and employee between __ISD and either CC or any employee or agent of CC.

8. Changes and Amendments. This MOU may be amended, modified and/or supplemented only by the mutual agreement of the parties, in writing, to be attached to and incorporated in this MOU.

Executed this _____ day of _____, 2014

Cisco College

_____

VP of Instruction

_____ Independent School District

_____

Name

Title

Cisco College

College-Preparatory Math Curriculum

Developmental Curriculum:

Description: A review of elementary algebra; factoring; exponents and radicals; the concept of a function, graphs, quadratic equations; systems of linear equations; designed for students who are not well grounded in fundamentals of high school algebra.

Learning Outcomes:

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
6. Model, interpret and justify mathematical ideas and concepts using multiple representations.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.

Technology Recommendation:

No calculators.

Specific Topics:

1. Solving Linear Equations
2. Properties of Integral Exponents
3. Introduction to Functions
4. Graphs of Functions
5. Systems of Linear Equations in Two Variables
6. Solving Linear Inequalities
7. Compound Inequalities
8. Equations and Inequalities Involving Absolute Value
9. Introduction to Polynomials and Polynomial Functions
10. Multiplication of Polynomials
11. Greatest Common Factors and Factoring by Grouping
12. Factoring Trinomials
13. Factoring Special Forms
14. A General Factoring Strategy
15. Polynomial Equations and Their Applications
16. Rational Expressions and Functions: Multiplying and Dividing
17. Adding and Subtracting Rational Expressions
18. Complex Rational Expressions
19. Division of Polynomials
20. Rational Equations
21. Radical Expressions and Functions
22. Rational Exponents
23. Multiplying and Simplifying Radical Expressions
24. Adding, Subtracting, and Dividing Radical Expressions
25. Multiplying with More Than One Term and Rationalizing Denominators
26. Radical Equations
27. Introduction to Complex Numbers

Text: Selected by ISD.

Instructor: Selected by ISD.

Placement: Determined by ISD.

Grades: Determined by ISD.

Assessment: The TSI (Texas Success Initiative) Exam will be the only assessment that Cisco College will use to determine college-readiness.

Support: College preparatory instructors may audit any dual credit math classes offered to the ISD to further familiarize them with Cisco College's mathematics curriculum. It is further recommended that college preparatory instructors serve as dual credit math facilitators when possible.

Contact: Questions may be directed to:

Jerry Clemons, Cisco College, Business & Mathematics Division Chair
717 East Industrial Blvd.
Abilene, Texas 79602
Phone: 325-794-4424
Email: Jerry.Clemons@cisco.edu

College Curriculum:

Description: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Learning Outcomes:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Technology Recommendation:

Calculators permitted. No symbolic functional graphing calculators.

Specific Topics:

1. Linear Equations and Rational Equations
2. Models and Applications
3. Complex Numbers
4. Quadratic Equations
5. Other Types of Equations (Polynomial, Radical, Rational Exponent, Quadratic Form, Absolute Value)
6. Linear Inequalities and Absolute Value Inequalities
7. Graphs and Graphing Utilities
8. Basics of Functions and Their Graphs
9. More on Functions and Their Graphs

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Executed this _____ day of _____, 2014

Cisco College

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VP of Instruction

_____ **Independent School District**

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Name

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Text: Selected by ISD.

Instructor: Selected by ISD.

Placement: Determined by ISD.

Grades: Determined by ISD.

Assessment: The TSI (Texas Success Initiative) Exam will be the only assessment that Cisco College will use to determine college-readiness.

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7. Graphs and Graphing Utilities
8. Basics of Functions and Their Graphs
9. More on Functions and Their Graphs

10. Linear Functions and Slope
11. More on Slope
12. Transformations of Functions
13. Combinations of Functions; Composite Functions
14. Inverse Functions
15. Distance and Midpoint Formulas; Circles
16. Quadratic Functions
17. Polynomial Functions and Their Graphs
18. Dividing Polynomials (Long Division & Synthetic Division); Remainder and Factor Theorems
19. Zeroes of Polynomial Functions
20. Polynomial and Rational Inequalities
21. Exponential Functions
22. Logarithmic Functions
23. Properties of Logarithms
24. Exponential and Logarithmic Equations
25. Matrix Solutions to Linear Systems

Text: Selected by ISD.

Instructor: Selected by ISD.

Placement: Determined by ISD.

Grades: Determined by ISD.

Assessment: The TSI (Texas Success Initiative) Exam will be the only assessment that Cisco College will use to determine college-readiness.

Support: College preparatory instructors may audit any dual credit math classes offered to the ISD to further familiarize them with Cisco College's

mathematics curriculum. It is further recommended that college preparatory instructors serve as dual credit math facilitators when possible.

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Cisco College Assessment For College Preparatory Math:

TSI (Texas Success Initiative) Exam

The TSI will be the only assessment that Cisco College will use to determine college-readiness.