**Schedule for Math Certification Workshops- Spring 2016**

**Session One**: **Overview Tuesday, 1/19 from 10:00-12:00**

**Location: ECMS 210**

* Overview of domains and competencies on the 4-8 exam
* Use of calculators. Online calculator tutorial: http://www.infinitysw.com/ets
* Website link: <http://eteamscc.com/2013/math-certification/>
* Vocabulary and formula chart
* Pretest
* H.W. for next meeting:
  + Chapter Two: read and bring questions
  + Make flashcards of key concepts and vocabulary from Chapter 2

**Session Two**: **Number Concepts: Wednesday, 2/17 from \*3:00-5:00**

**Location: ECMS 114**

* **Topics**: Number systems, number properties, exponents, operations with real and complex numbers
* H.W. for next meeting:
  + Chapter Two: quiz
  + Chapter Three: read and bring questions
  + Make flashcards of key concepts and vocabulary from Chapter 3
  + Review flashcards from Chapters two

**Session Three**: **Patterns of Algebra Part One: Wednesday, 3/23 from \*3:00-5:00**

**Location: ECDC 211**

* **Topics**: Patterns, Sequences, Linear and quadratic functions, multiple representations
* H.W. for next meeting:
  + Chapter Three: quiz
  + Review flashcards from Chapters two and three

**Session Four**: **Patterns of Algebra Part Two**: **Wednesday, 4/27 from \*3:00-5:00**

**Location: ECDC 211**

* **Topics**: Properties of functions and relations, foundations of Calculus
* Parent functions
* Basic Trigonometry
* Practice Problems: work in pairs
* Go over answers
* H.W. for next meeting:
  + Chapter Four: read and bring questions
  + Make flashcards of key concepts and vocabulary from Chapter Four

**\*These dates correspond to Student Teacher Meetings on campus. I will be flexible on these days, willing to start earlier if the group is released early.**

**Session Five:** **Geometry: Tuesday, 5/10 from 10-12**

**Location ECMS 107**

* **Topics**: Perimeter, Area, Volume, Dimensional Change, Pythagorean Theorem, Similarity
* Geometry hand-out
* H.W.:
  + Chapter Four: take quiz
  + Review flashcards from Chapters two, three and four

**Looking Ahead**: **Summer Workshop**

* May 23rd through 27th, four hours daily
* Compensation of $50 per day

**Contact Information:**

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**Resources**:

* ETS Manual Linked on website
* University of Houston website-

<http://www.online.math.uh.edu/texes4to8/register/register.html>

contains quizzes for each competency

* <https://pact.tarleton.edu/tcert/> Contains modules with practice problems.