

MATHEMATICS H.S.

RESEARCH BASED INTERVENTIONS LINKED WITH COMMON CORE STANDARDS

ELA K-5

ELA 6-12

MATH K-2

MATH 3-5

MATH 6-8

MATH HIGH SCHOOL

Number & Quantity

THE REAL
NUMBER
SYSTEM

TIER II Free Interventions

[Incremental Rehearsal](#)

[Peer Tutoring in Math](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

[Transition Mathematics](#)

[Implicit Instruction*](#)

QUANTITIES

TIER II Free Interventions

[Self Correction Checklist](#)

[QAR](#)

[Repeated Teaching Ratios](#)

TIER III Interventions

[Everyday Math](#)

[PLATO](#)

[Saxon Math](#)

THE COMPLEX
NUMBER
SYSTEM

TIER II Free Interventions

[Incremental Rehearsal](#)

[QAR](#)

[Intermix Accuracy](#)

[Metacognitive Strategy](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

[Transition Mathematics](#)

VECTOR & MATRIX QUANTITIES

TIER II Free Interventions

[Self Monitoring Checklist](#)

[Vector Software](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

[Transition Mathematics](#)

Algebra

SEEING STRUCTURE IN EXPRESSIONS

TIER II Free Interventions

[Cover Copy Compare](#)

[Peer Tutoring in Math](#)

[Repeated Practice:
Algebra Games](#)

TIER III Interventions

[The Expert Mathematician](#)

[I Can Learn Algebra and
PreAlgebra](#)

[IXL](#)

[Saxon Math](#)

[Aesthetic Computing*](#)

ARITHMETIC WITH POLYNOMIALS & RATIONAL EXPRESSIONS

TIER II Free Interventions

[Self Monitoring Checklist](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

[Transition Mathematics](#)

[Implicit Instruction*](#)

CREATING EQUATIONS

TIER II Free Interventions

[Incremental Rehearsal](#)

[QAR](#)

TIER III Interventions

[Everyday Math](#)

[PLATO](#)

[Aesthetic Computing*](#)

REASONING WITH EQUATIONS AND INEQUALITIES

TIER II Free Interventions

[Self Correction Checklist](#)

[Intermix Accuracy](#)

[Metacognitive Strategy](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

[Transition Mathematics](#)

Functions

INTERPRETING FUNCTIONS

TIER II Free Interventions

[Self Monitoring Checklist](#)

[Metacognitive Strategy](#)

[Repeated Teaching: Linear Functions](#)

TIER III Interventions

[Saxon Math](#)

[The Expert Mathematician](#)

BUILDING FUNCTIONS

TIER II Free Interventions

[Incremental Rehearsal](#)

[Peer Tutoring in Math](#)

TIER III Interventions

[Implicit Instruction*](#)

LINEAR,
QUADRATIC &
EXPONENTIAL
MODELS

TIER II Free Interventions
[Cover Copy Compare](#)

[QAR](#)

TIER III Interventions

TRIGONOMETRIC
FUNCTIONS

TIER II Free Interventions

[Incremental Rehearsal](#)

[Intermix Accuracy](#)

TIER III Interventions

Modeling

MODELED
REPEATED
TEACHING

TIER II Free Interventions

Say Ask Check

[Cover Copy Compare](#)

[Self Monitoring Checklist](#)

[QAR](#)

[Metacognitive Strategy](#)

[Repeated Teaching
Modeling](#)

TIER III Interventions

[Implicit Instruction*](#)

Geometry

CONGRUENCE

TIER II Free Interventions

[Incremental Rehearsal](#)

TIER III Interventions

[Core-Plus Mathematics](#)

[Cognitive Tutor](#)

SIMILARITY,
RIGHT
TRIANGLES &
TRIGONOMETRY

TIER II Free Interventions
[Peer Tutoring in Math](#)
[Incremental Rehearsal](#)

TIER III Interventions
[Everyday Math](#)
[PLATO](#)

CIRCLES

TIER II Free Interventions
[Self Monitoring Checklist](#)

TIER III Interventions
[Core-Plus Mathematics](#)

EXPRESSING
GEOMETRY
PROPERTIES
WITH
EQUATIONS

TIER II Free Interventions
[Incremental Rehearsal](#)
[QAR](#)
[Intermix Accuracy](#)
[Metacognitive Strategy](#)

TIER III Interventions
[Everyday Math](#)
[PLATO](#)

TIER II Free Interventions
[Incremental Rehearsal](#)

TIER III Interventions
[Transition Mathematics](#)

GEOMETRIC
MEASUREMENT
& DIMENSION

MODELING WITH
GEOMETRY

TIER II Free Interventions

[Self Correction Checklist](#)

TIER III Interventions

[Implicit Instruction*](#)

[Saxon Math](#)

Statistics & Probability

INTERPRETING
CATEGORICAL
&
QUANTITATIVE
DATA

TIER II Free Interventions

[Cover Copy Compare](#)

[QAR](#)

TIER III Interventions

[Core-Plus Mathematics](#)

MAKING
INFERENCES
AND JUSTIFYING
CONCLUSIONS

TIER II Free Interventions

[Incremental Rehearsal](#)

[Metacognitive Strategy](#)

TIER III Interventions

CONDITIONAL
PROBABILITY
AND THE RULES
OF PROBABILITY

TIER II Free Interventions

[Incremental Rehearsal](#)

Peer Tutoring in Math

TIER III Interventions

[Everyday Math](#)

[PLATO](#)

USING
PROBABILITY TO
MAKE
DECISIONS

TIER II Free Interventions

[Incremental Rehearsal](#)

[Intermix Accuracy](#)

TIER III Interventions

* Asterisks = Free or Inexpensive Tier III Interventions

ALL OF THE ABOVE RESOURCE INTERVENTIONS MODEL SPECIFIC RESEARCH BASED INTERVENTIONS SUPPORTED BY CONTEMPORARY LITERATURE. PLEASE CONTACT THE SITE HOST IF YOU WOULD LIKE A SPECIFIC REFERENCE FOR ANY OF THE ABOVE INTERVENTIONS.

www.reithschoolpsychology.webs.com