



SIP PLAN RECOMMENDATIONS

Action Steps Math and Science

MATHEMATICS REMEDIATION AND ENRICHMENT

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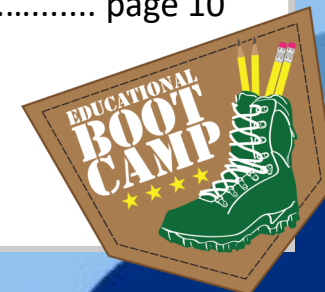
SCIENCE INTERVENTION STRATEGIES

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Math Action Steps

STRATEGY 1 Develop and implement a **Rotation Schedule** once per week that uses **Bootcamp Hands-on Lessons with leveled worksheets** to improve the performance of students considered to be “At Risk”.

NOTE: Tier 1 - A classification that Math Bootcamp uses to identify those students that have tested at level but show deficiencies within a particular standard.*

Tier 3 Students - Individualized Intensive Intervention Plan

Tier 3 students will attend **three consecutive 20-minute sessions** where the hands-on lesson is repeated with different variations of numbers. The DOK worksheet will change and progress from a **DOK 1 to DOK 2 and then from a DOK 2 to a DOK 3 worksheet** as the hands-on lessons are repeated.

Tier 2 Students - Small Group Strategic Intervention Plan

Tier 2 students will attend **two consecutive 20-minute sessions** where the hands-on lesson is with different variations of numbers. DOK worksheet will change and progress from a **DOK 2 to DOK 3 worksheet** as the hands-on lesson is repeated.

Tier 1* Students - Group Support Intervention Plan

Tier 1* students will attend **one 20-minute session** utilizing the Hands-on lesson in conjunction with a **DOK 3 worksheet**.

NOTE: *The Tier 2 students join Tier 3 after the first 20 minutes. The Tier 1* then join both groups (Tier 2 and 3) for the final hands-on lesson variation.*

EXAMPLE (2 minutes allotted for clean up)
HANDS-ON CENTER (Teacher-led)

	ROTATION 1 Only Tier 3	ROTATION 2 Tier 2 and 3	ROTATION 3 Tier 1*, 2, 3
TIER 3 Intensive	Hands On with DOK 1 Worksheets (18 minutes)	Hands On with DOK 2 Worksheets (18 minutes)	Hands On with DOK 3 Worksheets (18 minutes)
TIER 2 Strategic	Company Drill Card Game (18 minutes)	Hands On with DOK 2 Worksheets (18 minutes)	Hands On with DOK 3 Worksheets (18 minutes)
TIER 1* Support	Mathables® (18 minutes) Buddy Pairing Tier 1 with Tier 1*	Triathlon Game Up to 6 students (18 minutes) Buddy Pairing Tier 1 with Tier 1*	Hands On with DOK 3 Worksheets (18 minutes)
TIER 1 Full Mastery	Mathables® (18 minutes) Buddy Pairing Tier 1 with Tier 1*	Triathlon Game Up to 6 students (18 minutes) Buddy Pairing Tier 1 with Tier 1*	Company Drill Card Game (18 minutes)





Math Action Steps

STRATEGY 2 Develop and implement a **Pull-out Program** up to three days per week that uses **Bootcamp Math Power Drill with Smart to the Core Lessons** to improve the performance of students considered to be “At Risk.”

NOTE: Tier 1 - A classification that Math Bootcamp uses to identify students who have tested at grade level but show deficiencies within a particular standard. These students should only be invited to sessions specific to their identified weaknesses.*

Tier 1* , 2, and 3 Students - Individualized Intensive Intervention Plan

Tier 1*, 2, and 3 students will attend **three 55-minute pull-out sessions**. The content provides a progression in the development of skills (i.e. *Math Power Drill Lessons*) followed by pencil and paper practice (i.e. *Smart to the Core Student Booklets*) for each standards-based lesson.

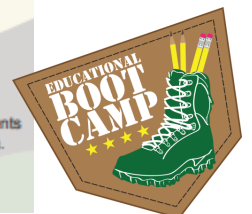
EXAMPLE
PULL-OUT SUPPORT
(Teacher-led)



PULL-OUT SUPPORT by Benchmark

(Up to 55 minutes / 3 Days per Week)
TIER 3, TIER 2, and TIER 1* STUDENTS

DAY 1	DAY 3
<p>Whole Group Instruction (Teacher Led)</p> <ul style="list-style-type: none">Basic Skills Training (5 minutes)Benchmark Power Drill - Day 1 (30 minutes)Smart to the Core - Train the Brain 1 (10 minutes)Smart to the Core - Target Practice 1 (10 minutes) <p style="text-align: center; color: #008000;">DAY 2</p> <p>Whole Group Instruction (Teacher Led)</p> <ul style="list-style-type: none">Basic Skills Training (5 minutes)Benchmark Power Drill - Day 2 (30 minutes)Smart to the Core - Train the Brain 2 (10 minutes)Smart to the Core - Target Practice 2 (10 minutes)	<p>Whole Group Instruction (Teacher Led)</p> <ul style="list-style-type: none">Benchmark Power Drill - Day 3 (20 minutes)Smart to the Core - Train the Brain 3 (10 minutes)Smart to the Core - Target Practice 3 (10 minutes)Four Star Challenge Assessment (15 minutes) <p style="font-size: small; margin-top: 20px;">Note: Interventionist should be knowledgeable of content and Tier 1 students should be pulled out (as needed) based on benchmark assessment data.</p>





Math Action Steps

STRATEGY 3 Develop and implement an **Extended Day Program** for two days per week that uses the **Bootcamp Games** (i.e Rock Climbing, Triathlon, and Company Drill) to improve foundational mathematics skills and boost mental math abilities for level 1, 2, and 3 students.

NOTE: Games and team challenges will incentivize students to attend regularly.

Enhance Foundational Skills and Mental Math Abilities

Level 1, 2, and 3 students will be invited to attend **two 1-hour extended day sessions**. The nature of the sessions will be to provide fun, confidence-building drills in which the students compete and play games. The goal of this intervention is to strengthen the basic and mental math skills of the student participants.

EXTENDED DAY PROGRAM (2 DAYS PER WEEK) by Benchmark	
DAY 1	DAY 2
Whole Group Game (Teacher-led)	Whole Group Game (Teacher-led)
Rock Climbing Game (30 minutes) Company Drill Game (30 minutes)	Rock Climbing Game (20 minutes) Mathables (40 minutes)

EXAMPLE
**EXTENDED DAY
PROGRAM**
(Teacher-led)





Math Action Steps

STRATEGY 4 Develop and implement a **Maintenance Plan** for mathematics content previously learned.

All Students - Maintenance Plan

All students will participate in a 5 to 10-minute daily review that includes previously learned standards. All standards previously taught will be reviewed each week through daily reviews.

The Maintenance Plan will include:

- (1) Daily Basic Concept Drills (i.e. *Math Poster Review*)
- (2) Daily Practice Questions in the form of multiple choice, multiple select, and gridded practice (i.e. *Practice Drill Booklet*)
- (3) Weekly Mixed Review (i.e. *Rock Climbing Game*)

Students will also use their knowledge of the **4 Bootcamp Problem Solving Strategies** to answer the word problems.

MAINTENANCE PLAN (5 DAYS PER WEEK) previously learned standards

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)
Math Poster Review (5 - 7 minutes)	Practice Drill Questions (5 - 7 minutes)	Math Poster Review (5 - 7 minutes)	Practice Drill Questions (5 - 7 minutes)	Math Poster Review (5 - 7 minutes)





Math Action Steps

STRATEGY 5 Adopt a **Digitally Scored Homework Ritual** that allows students the opportunity to practice and engage in fun-filled lessons to support classroom instruction.

All Students - Digitally Scored Homework Ritual

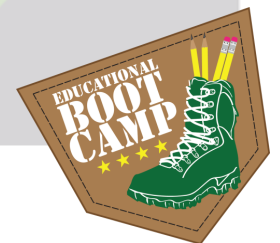
All students will be assigned lessons to practice at home each week.

The online platform will:

- (1) provide digitally scored lessons that are engaging, short, and directly aligned to the standards.
- (2) provide downloadable grades/scores that may be added to the grade book (up to 25 percent of the student grade.)
- (3) provide structured teacher-led lessons incorporated into the daily classroom routine and weekly lesson plans.
- (4) provide a seamless transition for individual students or classrooms that asked to conduct distance learning classes.

ONLINE RESOURCES (5 DAYS PER WEEK) previously learned standards

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Mini Quiz A (Classroom 10 minutes)	Math Poster Review (Classroom 5 minutes)	Math Poster Review (Classroom 5 minutes)	Rock Climbing Game (Classroom 10 minutes)	Math Poster Review (Classroom 5 minutes)
Math Poster Review (Classroom 5 minutes)	Math Power Drill 1 (Classroom Review 20 minutes)	Math Power Drill 2 (Classroom Review 20 minutes)	Math Power Drill 3 (Classroom Review 20 minutes)	Mathables & Company Drill (Classroom Review 20 minutes)
Direct Instruction (Classroom 20 minutes)	Math Power Drill 2 (Home-learning 20 minutes)	Math Power Drill 3 (Home-learning 20 minutes)	Mathables & Company Drill (Home-learning 20 minutes)	Mini Quiz B (Classroom 10 minutes)
Math Power Drill 1 (Home-learning 20 minutes)				





Science Action Steps

STRATEGY 1 Develop and implement a **Rotation Schedule** once per week that uses **Bootcamp Hands On Lessons with leveled worksheets** to improve the performance of students considered to be “At-Risk”.

Struggling Readers - Intervention Plan

Struggling Readers (red) will attend **one 20-minute session** utilizing a question bank (i.e., *Science Poster Review*) that will allow for probing to determine the exact weaknesses within the standard. The second rotation will include **one 40-minute session** using an online tool designed to strengthen reading abilities.

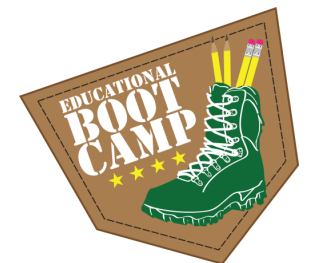
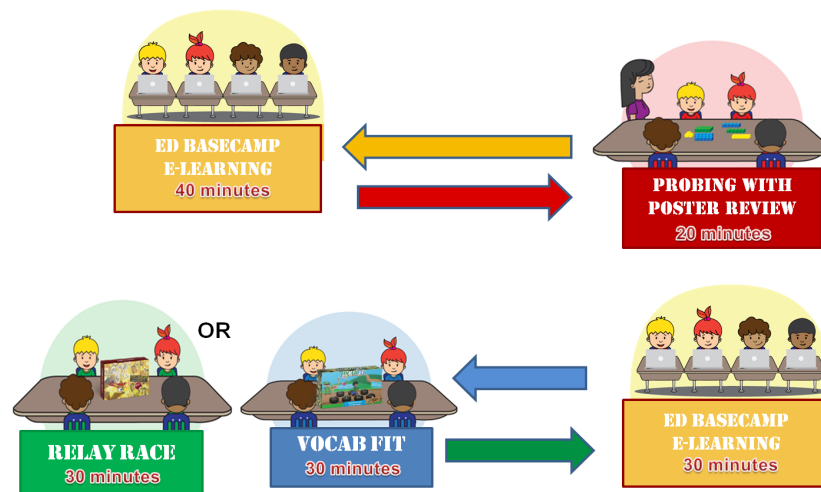
Bubble and Fragile Students - Intervention Plan

Bubble and/or fragile students (yellow) will attend **one 40-minute session** utilizing a bank of questions (i.e., *Science Poster Review*) that allows for probing to determine the exact weaknesses within the standard. Once identifying student weaknesses, an attempt to correct misconceptions and/or content deficiencies will be made using hands-on mini labs, 5-minute videos, and/or illustrations.

GREEN Students that have scored 80 - 89% - Enrichment

BLUE Students that have scored 90% or Higher - Enrichment

Enrichment students will attend a **30-minute session** of gameplay and another **30-minute session** on an E-Learning platform that supports science instruction by the standard (i.e., *ED Basecamp*.)





Science Action Steps

STRATEGY 2 Develop and implement a **Maintenance Plan** for science content previously learned.

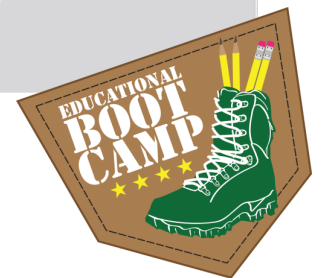
All Students - Maintenance Plan

All students will participate in a 5 to 10-minute daily review that includes previously learned standards. All standards previously taught will be reviewed each week through daily reviews.

The Maintenance Plan will include:

- (1) Daily Basic Concept Drills (i.e., *Science Poster Review*)
- (2) Daily Practice Questions in the form of multiple choice questions (i.e. *Practice Drill Booklet*)
- (3) Weekly Review of Illustrations of Concepts (i.e., *Speed Bag Drawings*)

MAINTENANCE PLAN (5 DAYS PER WEEK) <small>previously learned standards</small>				
DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)	Review (Teacher-led)
Science Poster Review (5 minutes)	Science Practice Drill Questions (7 minutes)	Science Poster Review (5 minutes)	Science Speed Bag Drawings (7 minutes)	Science Poster Review (5 minutes)





Science Action Steps

STRATEGY 3 Develop and implement an **Extended Day Program/Science Club** for two days per week that utilizes **Educational Games** (i.e., *Speed Bag Drawings, Relay Race, Vocab Fit, and Bench Press Games*) to improve foundational science content knowledge and maintenance of skills.

NOTE: Games and team challenges will incentivize students to attend regularly.

Enhance Foundational Skills and Mental Math Abilities

Level 3, 4, and 5 readers should be invited to attend **two 1-hour extended day sessions**. The nature of the sessions will be to provide fun, game-based enrichment activities to push students to their greatest potential.

EXTENDED DAY PROGRAM (2 DAYS PER WEEK) by Benchmark

EXAMPLE
**EXTENDED DAY
(SCIENCE CLUB)**
(Teacher-led)

DAY 1

Whole Group Game (Teacher-led)

Speed Bag Drawing Challenge
(30 minutes)

Relay Race Game
(30 minutes)

DAY 2

Whole Group Game (Teacher-led)

Vocab Fit
(30 minutes)

Bench Press Game
(30 minutes)





Science Action Steps

STRATEGY 4 Adopt a **Digitally Scored Homework Ritual** that allows students the opportunity to practice and engage in fun-filled lessons to support classroom instruction.

All Students - Digitally Scored Homework Ritual

All students will be assigned lessons to practice at home each week.

The online platform (i.e., *ED Basecamp*) will:

- (1) provide digitally scored lessons that are engaging, short, and directly aligned to the standards.
- (2) provide downloadable grades/scores that may be added to the gradebook (up to 25 percent of the student grade.)
- (3) provide structured teacher-led lessons incorporated into the daily classroom routine and weekly lesson plans.
- (4) provide a seamless transition for individual students or classrooms asked to conduct distance learning classes.

ONLINE RESOURCES (5 DAYS PER WEEK) previously learned standards

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Mini Quiz A (Classroom 10 minutes)	Science Poster Review (Classroom 5 minutes)	Science Poster Review (Classroom 5 minutes)	Center Instruction (Classroom 60 minutes)	Bench Press Game (Classroom 10 minutes)
Science Poster Review (Classroom 5 minutes)	Scienceables® with Benchmark Power Drill (Classroom 30 minutes)	Lab Activity or Demo with Process Skills Questioning (Classroom 50 minutes)	Relay Race Game Review (Home-learning 10 minutes)	Mini Quiz B (Classroom 10 minutes)
Speed Bag Drawing (Classroom 5 minutes)	Online Scienceable® (Home-learning 10 minutes)	Vocab Fit (Home-learning 15 minutes)		
Speed Bag Mission (Classroom 35 minutes) (Home learning 15 minutes)				

