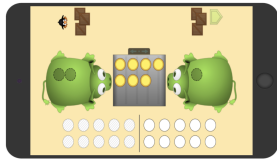




Checklist: Week 1

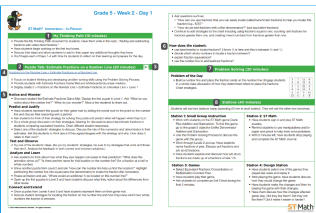
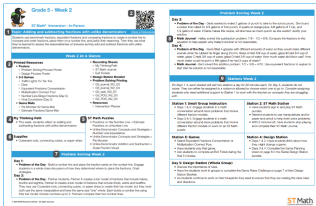
The focus for the week is to get students acclimated to the structure of the program as well as to establish expectations, routines, and procedures.

ST Math Student Experience



- ☐ Ensure all students have access to ST Math.
- ☐ Review Lesson 1:
 - Plan how you will present ST Math.
 - Review the [Foundations of ST Math - Interactive Webinar](#) in ST Math Academy to successfully get your students onto the ST Math Program.

ST Math Immersion Curriculum



- ☐ Review the [Embedded Professional Learning](#).
- ☐ Week 1 focus:
 - Familiarize students with ST Math.
 - Teach through the Problem Solving Process.
 - Engage in strategies that promote student thinking.
 - Establish and teach procedures for the instructional stations.
 - Set the expectations for problem solving and student work
 - Introduce the Design Challenge and review with the students the steps in the [Design Challenge Station Guide](#).
 - Set the expectations for the student portfolio.
 - Use pre-Assessment to establish a baseline of students' knowledge.

Note: The Problem of the Day (POD) is generated based on the class therefore there is not a POD handout on Day 1 or Day 2.

In the Lesson Plan:

- ☐ Review sections Week-at-a-Glance (in blue) and Daily Lessons (in green).
- ☐ Plan and prepare for the Puzzle Talk, Problem Solving Discussion, and Instructional Stations using the document Instructional Station Planning Sheet in this planner.
- ☐ Plan strategies to help students self-facilitate during their ST Math time.



Instructional Stations Planning Sheet 1 of 2

This document is designed to support your weekly planning for the instructional stations.

Organization	
What are your goals for using instructional stations?	
Establish Procedures	
How will students be grouped?	
How will groups transition between the instructional stations?	
How will students access materials?	
How will students interact with each other?	
What norms will be used in the instructional stations?	
Consider giving students roles in the group to support accountability and collaboration. See Instructional Station Overview .	

Content	
How will students interact with the content?	
How will directions be communicated to students?	
What strategies will be used to support students who are struggling?	
What resources are needed to support the content in the instructional stations?	



Instructional Stations Planning Sheet 2 of 2

This document is designed to support your weekly planning for the instructional stations.

Monitor/Evaluate

How will you know what students are learning?

Example: Use Exit Tickets, ST Math Puzzle Reflection, My Thinking Path, Math Writing Prompts. etc.

How will student progress be tracked, monitored, and celebrated?

How will students know if they are successful?

Teacher Actions

What is your role in the instructional stations?

How will you evaluate the instructional station rotation model you created?

What will you do once you determine what is/isn't working?

How often will you make adjustments to maximize success?



Checklist: Weeks 2-5

This document is designed to support your weekly planning for ST Math Immersion.

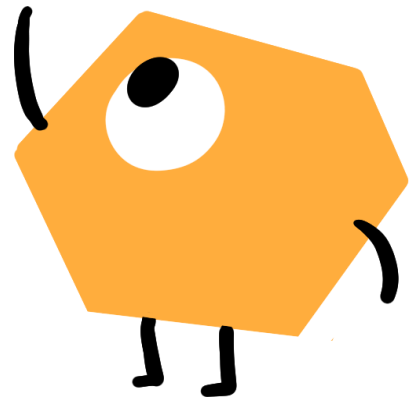
Weekly Checklist

Student Support

- ☐ Review the students' work
- ☐ Identify students who may benefit from the **Focused Instructional Time** by using the Small Group Intervention Planner on the last day of instructional in the week

Lesson Preparation

- ☐ **Review the Week at a Glance in blue and Daily Lessons in green**
 - ☐ Identify the topic for the week
 - ☐ Review printed resources needed for the week
 - ☐ Establish goals and celebrate students this week
- ☐ **Problem Solving Discussions Review**
 - ☐ Anticipate student responses to promote academic discourse
 - ☐ Determine strategies to highlight in the discussion
 - ☐ Review the answer keys
- ☐ **Puzzle Talks Review**
 - ☐ View the Game in a Minute videos
 - ☐ Gather math tools
- ☐ **Instructional Stations Review**
 - ☐ Review and organize instructional station activities
 - ☐ Determine procedures for instructional stations.
 - ☐ Determine how to group students for instructional stations.
 - ☐ Determine strategies to use to monitor student success.
 - ☐ Review and prepare for the **Number Sense Games**.
- ☐ **Math Tools**
 - ☐ Centimeter cubes (K-5)
 - ☐ Connecting cubes (K-5)
 - ☐ Two color counters (K-2)
 - ☐ Cuisenaire rods (3-5)
 - ☐ Whiteboards & dry erase markers for students
 - ☐ Chart Paper
 - ☐ Markers





Weekly Planning

This document is designed to support teacher planning for the week.

Problem Solving Discussions

What challenges do you anticipate students facing as they solve this problem?	
What strategies would you want shared and in what order to maximize the learning?	
What questions would you ask to foster student thinking?	

Puzzle Talks

What are the key ideas to discuss/discover with the students?	
What opportunities are there for making connections and deepening content understanding?	

Instructional Stations

How will I hold students accountable for their learning during instructional station time?	
Small Group Station: What is the focus of the learning this week?	
Number Sense Game Station: What materials are needed for the games station?	
ST Math Puzzles Station: How will students spend their ST Math individual time (Journey or Assignments?)	
Design Challenge Station: What materials are needed for this station?	



Small Group Intervention Planner

This document is designed for the Focused Instructional Time at the last day of instruction of the week.

AREA(S) OF CONCERN	ST MATH OBJECTIVE > GAME > LEVEL(S)
LESSON OBJECTIVE(S)	MATERIALS NEEDED
STUDENT NAMES	PLANNING QUESTIONS
	What math concepts are represented in this puzzle?
	What skills do students need to solve this puzzle?
	How can the visuals in the puzzle support intervention?
	How can the visuals in the puzzle be used to stretch student thinking?
	What will be the evidence of student understanding?
FACILITATION QUESTIONS	