

Guided Math

Year 6 | Ms. Kirby Caruana
Gozo College Xewkija Primary



Guided Math Common Practices



- Classroom Environment of Numeracy
- Math Warm-up
- Ongoing Assessment
- Whole Group, Small Group, & Math Workshop Instruction
- Students learn in small differentiated flexible groups based on their readiness level
- Students practice with the teacher, with each other, and by themselves



Guided Math Infrastructure



- Concrete (base-ten blocks, cubes, counters, etc.),
- Pictorial (model of thinking - pictures, drawing, diagrams, tables)
- Abstract (number sentences, equations, expressions)
- Technological (interactive whiteboard, tablets, computers)

60 Minute Model

**Mental Warm up = 5
minutes**

**Whole group mini-
lessons=15 minutes**

**One work station=
15 minutes each**

**One work station=
15 minutes each**

**Math talk follow-
up=10 minutes**

Who is doing what and when...

When?	What is the teacher doing?	What are the students doing?
Mini Lesson at the Beginning	<ul style="list-style-type: none">• Review/introduce work stations and expectations• Review/introduce new math concept• Listen to students explain their thinking	<ul style="list-style-type: none">• Using math talks to share ideas and strategies
Work Stations	<ul style="list-style-type: none">• Observing/Assessing students• Leading differentiated small group instruction	<ul style="list-style-type: none">• Focusing on station task• Explaining math thinking to one another
After Guided Math	<ul style="list-style-type: none">• Facilitating discussion	<ul style="list-style-type: none">• Sharing what they learned

Ideas for Workstations



- Technology
- Games
- Problem Solving Station
- Manipulatives
- Vocabulary Station
- Review and Practice Station
- Math Literature
- Math Journals

Establishing Flexible Groups



Students can be grouped based on their mastery levels of goals/objectives, skills, concepts or strategies being developed.

Guided Math Schedule

Topic: Time



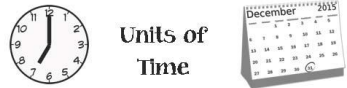
Day	Activity	Component
Monday	Pre-assessment (Pretest)	Whole Class
	Mini-lesson (ppt)	Whole Class
	Station 1 & Station 2 (Investigation: pencil & paper)	Group work

Guided Math Schedule

Topic: Time



Pretest



Units of Time

1 minute: 60 seconds
a quarter ($\frac{1}{4}$) of an hour: 15 minutes
a half ($\frac{1}{2}$) an hour: 30 minutes
one hour: 60 minutes
one day: 24 hours
one week: 7 days
one month:
 28/29 days: February
 30 days: September, April, June, & November
 31 days: October, December, January, March, May, July, & August

©TeachWithaMountain.com

Mini lesson



Investigation (pencil & paper)

Guided Math Schedule

Topic: Time



Day	Activity	Component
Tuesday	Mental Math (Time)	Whole Class
	Mini-lesson	Whole Class
	Station 1 (practice station)	Individual
	Station 2 (game station)	Group work

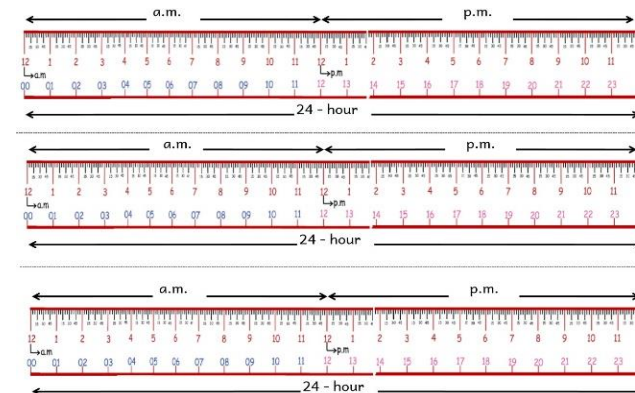
Guided Math Schedule

Topic: Time

Mental Maths Questions:

1. How many days in one week?
2. It is 1 o'clock. How many hours to 6 o'clock?
3. It is April. What is the next month?
4. How many weeks in one year?
5. Zack is 9 years old. How old was he three years ago?
6. How many hours from 4 o'clock to 7 o'clock?
7. How many months in one year?
8. How many hours in one day?
9. It is Thursday. What was yesterday?
10. Today is Wednesday. What is tomorrow?
11. Which is shorter, the hour hand or the minute hand?
12. It is 12 o'clock. What time was it 3 hours ago?
13. What is the last month of the year?
14. How many minutes in one hour?
15. How many days from Saturday to Tuesday?
16. It is 4:30. What time will it be in 4 hour's time?

Mental Math



Three 24-hour timelines are shown, each with a scale from 00 to 23. The first timeline is labeled 'a.m.' and 'p.m.' with arrows indicating the day. Below the scale is a bracket labeled '24-hour'. The second and third timelines are identical in format.

Mini lesson



Group 1



Group 2

Guided Math Schedule

Topic: Time



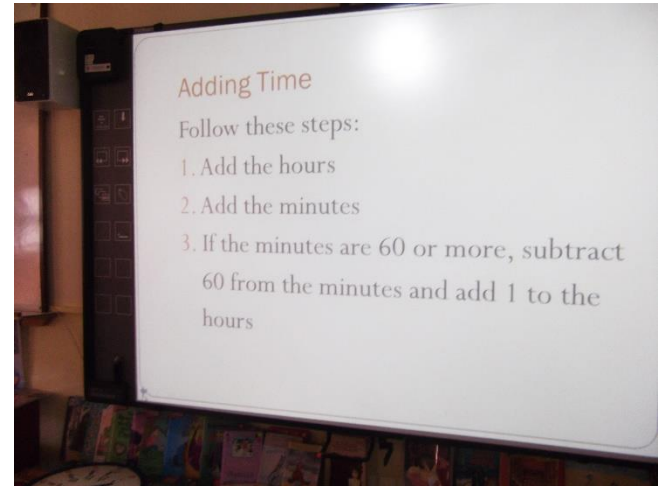
Day	Activity	Component
Wednesday	Mental starter: Quiz	Whole Class
	Mini-lesson	Whole Class
	Station 1 (problem solving using manipulatives)	Small Group
	Station 2 (technology)	Pairs

Guided Math Schedule

Topic: Time



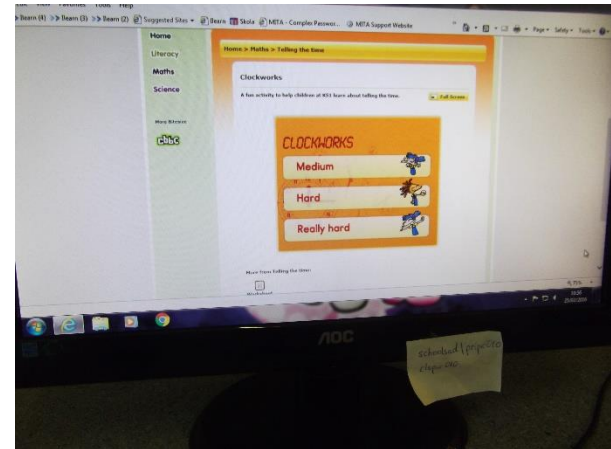
Quiz



Mini lesson



Group 1



Group 2

Guided Math Schedule

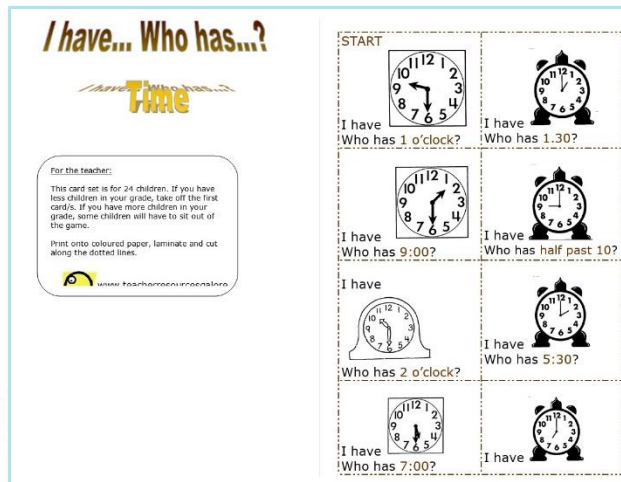
Topic: Time



Day	Activity	Component
Thursday	Mental Starter	Whole Class
	Mini-lesson - Review	Whole Class
	Station 1 (problem solving)	Pairs
	Station 2 (game)	Group work

Guided Math Schedule

Topic: Time



Mental starter



Review previous lesson



Group 1



Group 2

Guided Math Schedule

Topic: Time



Day	Activity	Component
Friday	Journaling	Whole Class

**One of the goals of Guided Math
is to Empower kids.**

