

Measurement 2



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Measurement 2 is designed to build upon the student's basic knowledge in measurement by introducing more units of measure, along with standard units. Helpful audio instructions and help buttons ensure that students will navigate these activities easily and with confidence. Students will be motivated to succeed by a series of colorful pictures and sounds as their rewards. The program teaches skills by using a wide variety of multi-sensory activities. Both metric and standard systems of measurement are covered, along with American and Canadian money. **Measurement 2** was developed by experienced teachers to develop the students' skills in estimating, measuring and recording a wide variety of measurements.

Targeted Skills

- Count coins up to five dollars.
- Understand order of days & months, read a calendar and understand relationships between units of time.
- Read analog clocks to the hour, half hour and quarter hour.
- Read a thermometer in ten degree increments.
- Measure length, height, distance, capacity, volume, mass, perimeter and area using non standard and standard units. Estimate measurements of familiar real world objects.
- Understand the relationships between different units of measure for length, height, distance, capacity, volume, mass, perimeter and area and convert between them.
- Understand the symbols of various units of measure.

Teacher Dashboard

The Teacher Dashboard tracks student progress throughout each program and records the percentage score for every activity completed. This feature provides an overview of how well a student is progressing and allows the teacher to identify strengths and weaknesses.

- Records students' results automatically as they work.
- Prints reports quickly and easily for sharing with parents and staff.
- Provides summary reports by subject or detailed reports by activity.
- Allows teachers to print reports for individual students or an entire class.
- Stores student marks in one central location for all programs.

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Program Outline

The program is broken down into 8 main units, which can all be accessed from the main menu. On the following pages, each of these different units are broken down. The main menu units are:

1. Money
2. Days & Months
3. Telling Time
4. Temperature
3. Length & Height
6. Area, Perimeter & Distance
7. Mass, Capacity & Volume
8. Measurement Challenge Activities

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1 - Money

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Counting Nickels & Pennies	Click on all the coins to count them.	Count coins up to five dollars.
Counting Dimes		
Counting Quarters		
Counting Quarters, Dimes, Nickels & Pennies		
What is the Correct Amount?		
How Much Money is Here?		
Do You Have Enough Money?	Count the coins shown to determine if you have enough money to buy the object shown.	
How Could You Pay For This?	Type the number of coins you need to buy the item shown.	
What Can You Buy?	Click on the objects to spend your money on the number of objects required, but don't spend more money than you have been given.	

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2. Days, Months, Seasons

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Order the Days I & II	Put the days in order.	Understand the orders of days.
Order the Months I & II	Put the months in order.	Understand the order of months.
The Order of Months	Various questions about which month comes before or after another.	
Find the Day	Find various days on a calendar.	Read the date on a calendar.
Calendar Problems	Answer various questions about days and weeks on a displayed month.	
What Day is It?	Identify which day is checked on a calendar.	
Click the Birthday	Click on each person's birthday on this calendar.	
Days, Weeks, Months	Match the amount of time in the column on the left with an equal amount of time in the column on the right.	Understand relationships between hours, days, weeks and months and find equivalencies between different measurements.

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3 - Telling Time

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
How Many?	How many days / weeks / minutes / hours, etc in x days / weeks / minutes / hours.	Understand relationships between hours, days, weeks and months and find equivalencies between different measurements.
How Long Does It Take?	Identify how long it takes to perform each of the familiar tasks identified.	Estimate measures of time and relate it to their day to day experiences.
AM or PM	Choose whether the activity depicted is usually done in the AM or PM	Understand meaning of AM and PM.
Reading a Clock	Click on the time that is equal to the time shown on the analog clock.	Read analog clocks to the hour, half hour and quarter hour.
What Time is It?	Type the correct time shown on each analog clock.	
Time Match	Match the written digital time on the left with the written time on the right.	Read time notations to the quarter-hour.
Before & After	Choose which time it will be x minutes before or after a certain time.	Calculate basic intervals of time.
Order Time 1 to 9	Put these measures of time from smallest amount of time to largest amount of time.	Order different measures of time based on their length.

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4 - Temperature

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Temperature & You	Students answer basic real world questions relating to the concepts of cold / colder / warm / warmest.	Relate concepts of cold, colder, warm and warmest to familiar day to day events.
Hotter or Colder	Compare two thermometers and determine whether it got colder or hotter.	Compare thermometers and determine whether it is getting colder or hotter.
Hear & Match	Click on the thermometer that matches the word you hear - coldest or warmest.	
Choose the Temperature	Read the thermometer and click on the matching temperature.	Read a thermometer in ten degree increments.
Pick the Activity	Click on the activity that best matches the thermometer that you see.	
Do You See What You Hear?	Does the temperature on the thermometer match the temperature that you hear?	
Type the Temperature	Type the temperature for each thermometer that you see.	
Is It Freezing?	Does this thermometer show a temperature that is freezing?	Understand the concept of freezing.
Order the Thermometers	Click on the thermometer in order from the hottest temperatures to the coldest temperatures.	Order different thermometers based on their temperatures.
Getting Warmer, Getting Colder	Add or subtract the number of degrees you hear, then click on the new temperature.	Calculate a change in temperature.

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5 - Length & Height

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Which Would You Use?	Which unit would you use to measure various real world objects?	Select an appropriate standard unit of measure to measure the length and height of various real world objects.
Match the Height	Press the spacebar when you see the correct unit to measure the length of each object.	
Order the Height	Click on the objects in order from the shortest to the tallest.	Compare and order the heights and lengths of various real world objects.
Click the Tallest	Click on the tallest object.	
Order the Length	Click on the objects in order from the longest to the shortest.	
Measure the Length	Type the correct length of each object by using the ruler.	Use a ruler to measure the length and height of various real world objects in standard units.
Measure the Height	Type the correct height of each object by using the ruler.	

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6. Area, Perimeter & Distance

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Area & Perimeter	Click on the picture that shows area or perimeter.	Understand the difference between perimeter and area.
What is the Area?	Count the area or number of squares covered by each red shape.	Calculate perimeter and area by using non-standard units.
Guess the Area		
What is the Perimeter?	Count the number of units around each shape.	
Around the Outside	Click on the total perimeter of each object.	Calculate perimeter by using standard units.
Count the Distance	Following the red line, how many units of distance are between point A and point B?	Measure distance using non-standard units.
Find the Shortest	What is the shortest distance between points A and B?	
Football Toss	For each picture, type the answer for how far the quarterback threw the football.	Measure distance using standard units in increments of 10.

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7. Mass, Capacity & Volume

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Which Holds More?	Click on the object that holds the most amount of liquid.	Estimate and order the capacities of various real world objects.
Order the Capacity	Click on the pictures in order from which holds the least amount to which holds the most amount.	
Lightest and Heaviest	Click on the object that is the heaviest or lightest.	Estimate and order the weights of various real world objects.
Order the Weight	Click on the pictures from the heaviest to the lightest.	
Click the Heaviest	Click on the object that is the heaviest.	
Match the Weight	Press the spacebar when you see the correct unit to measure the weight of each object.	Select an appropriate standard unit of measure to measure the weight of various real world objects.
Biggest Volume	Click on the object that holds the most amount of liquid.	Estimate and order the volumes of various real world objects.

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8. Measurement Challenge Activities

ACTIVITY NAME	INSTRUCTION	REQUIRED SKILLS
Click the Biggest	Click on the largest unit of measure for each set.	Understand the relationships between units of measure and compare different measurements.
Equal Measurements	Match the measurements in the left column with the equal measurement in the right column.	
Symbols	Click on the symbol in the right column that matches the unit of measurement in the left column.	Understand the symbols of various units of measure.
Find the Unit I	Click in the correct column that matches the unit of measure for each word that you hear.	Understand which unit of measure is used to measure either weight, time, capacity, length, height or volume.
Find the Unit II	Click on the correct type of measurement (weight, time, volume) that matches the unit word you hear.	
Which Unit Would You Use?	Click on the best units of measurement for each picture.	Choose the most appropriate unit of measure for various real world situations.
Match the Units	Press the spacebar when you see the measurement that is equal to the measurement shown on the left.	