



(Includes complete 4MAT 4 Algebra Poster Series)

4MAT 4 Algebra Kit Complete

This kit makes incorporating all the hands-on activities done in the 4MAT 4 ALGEBRA program a snap. Teachers could spend a considerable amount of time, money, and/or effort looking for materials needed for this program. This one-stop shopping opportunity allows teachers to obtain the core manipulatives needed for a classroom of 25. With this kit, the focus can be on teaching and not on searching for items needed for the activities.

In the "Balance" unit, students are first connected by rotating through stations that pertain to balance. Students play Jenga, balance objects on a double pan balance, toss objects while wearing sensory-impaired goggles, build a house of cards, and balance a meter stick on their fingers. These engaging activities hook the students prior to learning how to balance equations. All the items necessary for these activities are included in the kit.

In the "Relationships" unit for quadratic modeling, students are given the opportunity to choose from a variety of meaningful, relevant, and engaging tasks. Materials such as a clinometer, nerf blaster, drops of water kits are used to transfer knowledge to new and exciting situations. Items needed for this extension are included in the kit, saving the teacher precious time having to gather these resources.

The 4MAT 4 Algebra book has many more connect activities, differentiated tasks, and project extensions that require items not usually found in a classroom. The purpose of the kit is to supply the teacher with items that may not be readily available to them.

(The kit is based upon a classroom of 25 students.) This kit is available for sale by calling About Learning at 800-822-4MAT.

Order Code: 4MAT-ALGKIT
Price: \$1200.00

4MAT 4 Algebra Kit Complete

(The kit is based upon a classroom of 25 students.) This kit is available for sale by calling About Learning at 800-822-4MAT.

Participant Bag for 25 Students

- Markers (8)
- Post-it Notes (4)
- Scissors (4)
- Scotch Tape
- Yellow Highlighters (4)
- String or Yarn (1)
- Playing Cards (1 deck)
- 6-Sided Dice (2)
- Roll of Pennies (1)

Classroom Box

- Plastic Rulers (25)
- Paper Towels (1)
- Bath Towels (10)
- Jenga Game (1)
- Meter Sticks (2)
- Double Pan Balance (1)
- Drunk Goggles (1)
- Dixie Cups (50)
- Plastic Container (1)
- Cuisenaire Rods (13 bags)
- Nerf Blaster (1)
- Jump Ropes (3)
- Clinometers (2)
- Hot Wheel Cars (4)

Sandwich Bag #1

- Eyedropper (1)
- Plastic Penny (1)
- Plastic Nickel (1)
- Plastic Dime (1)
- Plastic Quarter (1)
- Plastic Half-Dollar (1)

Sandwich Bag #2

- Small Washer (1)
- Medium Washer (1)
- Large Washer (1)

This kit includes the complete 4MAT 4 Algebra Poster Series (10 full color posters).

The following items are to be provided by the teacher/school

- Chart Paper
- Plain Paper (1 ream)
- 1 Gallon Distilled Water
- 1 lb. M&Ms
- 1 oz. Phenolphthalein chemical
- 1 oz. NaOH
- LCD/Computer Projector
- Speakers



(Includes complete 4MAT 4 Algebra Poster Series and Teacher's Guide)

4MAT 4 Algebra Classroom Implementation Package

This kit makes incorporating all the hands-on activities done in the 4MAT 4 ALGEBRA program a snap. Teachers could spend a considerable amount of time, money, and/or effort looking for materials needed for this program. With this kit, the focus can be on teaching and not on searching for items needed for the activities.

In the "Balance" unit, students are first connected by rotating through stations that pertain to balance. Students play Jenga, balance objects on a double pan balance, toss objects while wearing sensory-impaired goggles, build a house of cards, and balance a meter stick on their fingers. These engaging activities hook the students prior to learning how to balance equations.

This kit does not include all the items necessary for every activity in the 4MAT 4 Algebra series.

In the "Relationships" unit for quadratic modeling, students are given the opportunity to choose from a variety of meaningful, relevant, and engaging tasks. Materials such as a clinometer, nerf blaster, drops of water kits are used to transfer knowledge to new and exciting situations. Items needed for this extension are included in the kit, saving the teacher precious time having to gather these resources.

The 4MAT 4 Algebra book has many more connect activities, differentiated tasks, and project extensions that require items not usually found in a classroom. The purpose of the kit is to supply the teacher with some of the items that may not be readily available to them.

This package is available for sale by calling About Learning at 800-822-4MAT.

Order Code: 4MAT-ALGPKG
Price: \$885.00

Classroom Box

- Plastic Rulers (25)
- Paper Towels (1)
- Bath Towels (10)
- Jenga Game (1)
- Meter Sticks (2)
- Double Pan Balance (1)
- Drunk Goggles (1)
- Dixie Cups (50)
- Plastic Container (1)
- Cuisenaire Rods (13 bags)
- Nerf Blaster (1)
- Jump Ropes (3)
- Clinometers (2)
- Hot Wheel Cars (4)

Sandwich Bag #1

- Eyedropper (1)
- Plastic Penny (1)
- Plastic Nickel (1)
- Plastic Dime (1)
- Plastic Quarter (1)
- Plastic Half-Dollar (1)

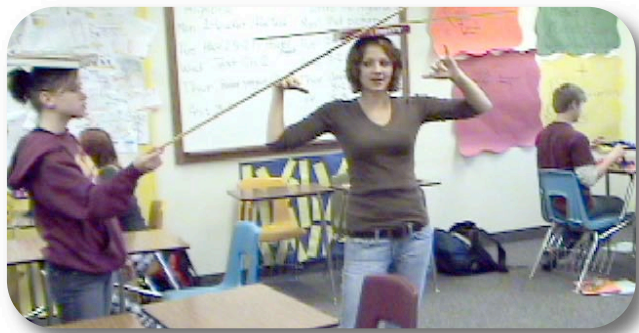
Sandwich Bag #2

- Small Washer (1)
- Medium Washer (1)
- Large Washer (1)

The following items are to be provided by the teacher/school

- Chart Paper
- Plain Paper (1 ream)
- 1 Gallon Distilled Water
- 1 lb. M&Ms
- 1 oz. Phenolphthalein chemical
- 1 oz. NaOH
- Speakers
- VCR

This kit includes the complete 4MAT 4 Algebra Poster Series (10 full color posters).



4MAT 4 Algebra Kit Basic

This kit makes incorporating all the hands-on activities done in the 4MAT 4 ALGEBRA program a snap. Teachers could spend a considerable amount of time, money, and/or effort looking for materials needed for this program. With this kit, the focus can be on teaching and not on searching for items needed for the activities.

In the "Balance" unit, students are first connected by rotating through stations that pertain to balance. Students play Jenga, balance objects on a double pan balance, toss objects while wearing sensory-impaired goggles, build a house of cards, and balance a meter stick on their fingers. These engaging activities hook the students prior to learning how to balance equations.

This kit does not include all the items necessary for every activity in the 4MAT 4 Algebra series.

In the "Relationships" unit for quadratic modeling, students are given the opportunity to choose from a variety of meaningful, relevant, and engaging tasks. Materials such as a clinometer, nerf blaster, drops of water kits are used to transfer knowledge to new and exciting situations. Items needed for this extension are included in the kit, saving the teacher precious time having to gather these resources.

The 4MAT 4 Algebra book has many more connect activities, differentiated tasks, and project extensions that require items not usually found in a classroom. The purpose of the kit is to supply the teacher with some of the items that may not be readily available to them.

This kit is available for sale by calling About Learning at 800-822-4MAT.

Order Code: 4MAT-ALGKITB
Price: \$700.00

Classroom Box

- Plastic Rulers (25)
- Paper Towels (1)
- Bath Towels (10)
- Jenga Game (1)
- Meter Sticks (2)
- Double Pan Balance (1)
- Drunk Goggles (1)
- Dixie Cups (50)
- Plastic Container (1)
- Cuisenaire Rods (13 bags)
- Nerf Blaster (1)
- Jump Ropes (3)
- Clinometers (2)
- Hot Wheel Cars (4)

Sandwich Bag #1

- Eyedropper (1)
- Plastic Penny (1)
- Plastic Nickel (1)
- Plastic Dime (1)
- Plastic Quarter (1)
- Plastic Half-Dollar (1)

Sandwich Bag #2

- Small Washer (1)
- Medium Washer (1)
- Large Washer (1)

The following items are to be provided by the teacher/school

- Chart Paper
- Plain Paper (1 ream)
- 1 Gallon Distilled Water
- 1 lb. M&Ms
- 1 oz. Phenolphthalein chemical
- 1 oz. NaOH
- LCD/Computer Projector
- Speakers

This kit does not include the Complete Set of 4MAT 4 Algebra Posters or the 4MAT 4 Algebra Teacher's Guide.

4MAT 4 Algebra Poster Series

communication

The Concept is Communication.

The Content is the meaning of the terminology and rules in Algebra.

There is a relationship between communication, terminology and rules and the relationship is meaning.

In what ways can a person "communicate" more effectively using algebra?

The most important thing in communication is to hear what the other person is saying, not what he says.

—Peter Drucker

4MAT[®] 4 Algebra
The System of Mathematics

luck

The Concept is Luck.

The Content is probability.

There is a relationship between chance and probability and the relationship is luck.

In what ways does chance show up in the real world?

Luck is probably taken personally.

—Penn Jillette

4MAT[®] 4 Algebra
The System of Mathematics

balance

The Concept is Balance.

The Content is solving Algebraic equations.

There is a relationship between balance and solving Algebraic equations and the relationship is strategy!

In what ways can balance be used to solve real world problems?

The best and safest thing to do is to keep a balance in your life.

—Euripides Greek playwright, c. 480-406 BC

4MAT[®] 4 Algebra
The System of Mathematics

relationships linear

The Concept is Relationships.

The Content is modeling linear data.

There is a connection between relationships and modeling linear data and the connection is scatterplots.

In what ways can you recognize linear relationships?

Making mental connections is our most crucial learning tool, the essence of human intelligence, so far as we know. To go beyond this, we need to see patterns, relationships, context.

—Marlyn Ferguson

4MAT[®] 4 Algebra
The System of Mathematics

comparisons

The Concept is Comparisons.

The Content is inequalities.

There is a relationship between comparison and inequalities and the relationship is differentiated.

How are comparisons in our lives and comparisons in mathematics related?

People are both similar, but they are also born different.

—Eric Fromm

4MAT[®] 4 Algebra
The System of Mathematics

alternatives

The Concept is Alternatives.

The Content is systems of linear equations and inequalities.

There is a relationship between alternatives and systems and the relationship is efficiency!

Why are alternatives important when solving systems?

Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution. It represents the wise choice of many alternatives.

—William A. Foster

4MAT[®] 4 Algebra
The System of Mathematics

growth

The Concept is Growth.

The Content is exponential functions.

There is a relationship between growth and exponential functions and the relationship is context.

How does exponential growth happen?

There are no great things in the world that are not done by a little bit of growth and a little bit of persistence.

—Florence Regina

4MAT[®] 4 Algebra
The System of Mathematics

relationships quadratic

The Concept is Relationships.

The Content is quadratics.

There is a connection between relationships and quadratics and the connection is curves!

In what ways may a person model situations using quadratics?

My life is one long curve full of turning points.

—Pierre-Etienne Trudeau

4MAT[®] 4 Algebra
The System of Mathematics

patterns

The Concept is Patterns.

The Content is polynomial functions.

There is a relationship between patterns and polynomial functions and the relationship is simplification!

How can patterns simplify polynomial functions?

Life is like an ever-shifting kaleidoscope... with a slight change and all patterns alter.

—Sharon Salzberg

4MAT[®] 4 Algebra
The System of Mathematics

modeling

The Concept is Modeling.

The Content is rational and radical equations and functions.

There is a relationship between modeling and rational and radical functions and the relationship is representation!

How do we model situations in the real world?

The "goodness" of a model depends not on how well it might serve our purposes, but on the degree to which it shows the truth.

—Michael P. McLaughlin

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