

CENTER FOR INNOVATION IN EDUCATION, INC.

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Math Their Way Helper Commitment and Responsibilities

What's it all about...

The Center for Innovation in Education is a nonprofit educational organization founded by Mary and Bob Baratta-Lorton. Workshops are sponsored by the Center and held around the country and internationally. The workshop is a 30-hour course run as a classroom model rather than a lecture format. When instructors teach at their own school, they have access to all of their own teaching materials. When they travel to other locations, they need volunteer helpers at each site to coordinate on-site materials. The instructors will need assistance in preparing for each day's activities. We are delighted that you will be one of the helpers.

Benefits and Responsibilities for Helpers

- Each helper may participate fully in the workshop tuition free.
- Each helper may receive Center Graduate College credit or continuing education units.
- Each helper will be reimbursed for APPROVED expenses (verified by receipts) that are related to the 30 hour workshop. Check with the instructor in advance. The Center does not reimburse for child care or the purchase of math manipulatives (e.g. Pattern Blocks, geoboards) needed for the workshop. *Helpers need to submit their expenses to the instructor with receipts within 30 days after the workshop is completed.*
- Helpers are needed on set-up day as well as each day of the 30-hour workshop. Please be available an hour before the workshop and an hour after class. As each day goes by, the preparation gets easier and the times will be adjusted accordingly.

Before the Workshop

- Contact the instructor prior to the workshop. Explain which materials you can supply.
- Arrange a mutually convenient time to meet on set-up day.
- Selected workshop materials will be shipped to the site approximately 3 weeks prior to the first day of the workshop.
- Find out these answers for the instructor.

Does the workshop site have:

Refrigerator Microwave oven Separate lunch area Floor space Carpeted floor

Will the workshop room have:

Adult-size tables and chairs set up in advance of set-up day and a separate room for storage and preparation of workshop materials

Will the room accommodate the following:

7 adult-size tables with 6 adult-size chairs around each

1 instructor table

1 name tag/registration table

1-2 snack tables

2 general materials and book display tables

1 overhead projector (plus extra bulb)

Snacks

Coffee, non-dairy creamer, non-sugar substitute, sugar, and tea bags may be purchased for the class. The Center will provide snacks for the first day only. Instructors may wish to post a sign-up list for snacks, hot or cold drinks, ice, etc. for the rest of the workshop.

Math Their Way Materials

This is the list of materials the site needs to provide for the workshop. (Participants do not bring these items.)

Qty.	Item
16-20	geoboards w/25 nails (wood preferred over plastic)
100+	geobands (variety of sizes)
16-20	junk boxes (filled with at least 80-100 items)
750-1000	pattern blocks (wood preferred over plastic)
200-300	portion cups (1 oz. / 2 oz. size)
500	tiles (1" x 1", plastic or ceramic, one color)
15	tubs (10 containers for actual stations plus extra)
2000	unifix cubes
500-600	wooden cubes (1" plain wood color)
16-20	bowls (e.g., small margarine tub size)
1 set-up	classroom calendar (See NL, Ch. 4)
8-16	containers (e.g., baskets/boxes, 8" x 10")
8-16	containers (e.g., plastic buckets to hold solids or liquids)
8-10	containers (small, empty jars for PV station)
40	chalkboards (optional)
16	egg cartons (with lids cut off)
1	floor graph (canvas or vinyl)
10-12	food items for "determining prices" (PV station)
	fruit graph materials (optional)
	- large bowl
	- large serving spoon
	measurement materials
	- 10 lbs. each (e.g., rice, pinto beans, etc.)
1 stack	newspapers (for dyeing macaroni)
1	teacher dot chart (optional)

Non-food Items

The non-food and food items listed below are reimbursable expenses. Save your receipts and submit no later than 30 days after the workshop. Check with instructor prior to purchasing.

Qty.	Item
1 class set	clear plastic cups (8 oz. size for juice graph)
1 class set	disposable paper cups (for hot drink on first day only; participants need to bring their own mug)
3 sm. pkg.	food coloring (for dyeing macaroni)
1 pkg.	handiwipes (for making wet rags - optional)
1 roll	paper towels
1 class set	paper plates (for watermelon activity - optional)
1 class set	paper bowls (for fruit salad activity - optional)
1 class set	plastic spoons (for fruit salad activity - optional)
1 box each	plastic bags (small and large size zip lock style)
4 pairs	rubber gloves (for dyeing macaroni - optional)
1 bottle	rubbing alcohol (for dyeing macaroni)

Food Items

Qty.	Item
4 kinds	fruit juice
	comparable size containers, 4 different colors (optional)
1/4 lb. per person	macaroni (interesting shapes, assorted kinds)
2 sm. pkg.	Pepperidge Farm goldfish crackers (for whale game)
1 sm. bottle	peppermint or lemon extract (to scent the rags)
1 lg. box	sugar cubes (for number stations and for coffee)
1	watermelon (optional)

A/V and other site needs

1 coffee pot
1 overhead projector (with extension cord/spare bulb)
1 screen
1 yardstick
1 paper cutter

The participants will bring the following:

On the first day...

- crayons (basic 8 colors)
- glue stick or equivalent
- 2" three-ring binder and binder dividers
- 1 1/2" x 2" picture of yourself
- scissors
- coffee mug and spoon (optional for tea or coffee)

On subsequent days...

- assorted containers & scoops for measurement
- 5 yds. heavy cotton string wrapped around pencil
- single hole punch
- 2 half-gallon milk or juice cartons
- 10 paper clips (small or large)
- 2 rubber bands (1 thick and 1 thin)
- 1 wooden ruler for milk carton scale

Course Titles & Numbers

First time (Level I) participants:

EDM 201 A – Mathematics Their Way

Second time (Level II) participants:

EDM 203 A – Piaget in the Classroom
(A Level II Project is required.)

Course Text

Mathematics Their Way by Mary Baratta-Lorton

Mathematics Their Way Summary Newsletter by Cynthia

Garland-Dore, principal writer and editor

Special Note

Check with the instructor on any items marked optional to confirm that they will be needed during the workshop.

Contact us at:

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