

# COGNITIVELY GUIDED INSTRUCTION: YEAR ONE

## Teachers Development Group

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Welcome to CGI, year 1. We are pleased to have you with us.

### AGENDA OVERVIEW

<b>Day 1</b> <ul style="list-style-type: none"><li>▪ Introduction to CGI</li><li>▪ Direct Modeling</li><li>▪ CGI Problem Types</li></ul>	<b>Day 2</b> <ul style="list-style-type: none"><li>▪ Strategies for Addition and Subtraction Problems</li></ul>	<b>Day 3</b> <ul style="list-style-type: none"><li>▪ Strategies for Multiplication and Division Problem</li><li>▪ Interview Children* (*depends on scheduling)</li></ul>	<b>Day 4</b> <ul style="list-style-type: none"><li>▪ Introduction to Multi-digit Strategies</li><li>▪ Using CGI in your own Classroom</li></ul>
<b>Day 5 (Fall)</b> <ul style="list-style-type: none"><li>▪ Developing Base Ten Understanding</li></ul>	<b>Day 6 (Fall)</b> <ul style="list-style-type: none"><li>▪ Classroom Embedded Work</li></ul>	<b>Day 7 (Spring)</b> <ul style="list-style-type: none"><li>▪ Strategies for solving addition and subtraction problems with large numbers</li></ul>	

### Important Policies:

1. This course is designed for Kindergarten through Third Grade teachers. Please understand that we do not have time to address concerns specific to other grade levels.
2. Most of the handouts you receive are copyrighted. If you wish to copy any copyrighted handout for any reason, please email Linda Levi at [linda.levi@teachersdg.org](mailto:linda.levi@teachersdg.org) to request written permission.
3. Please respect the variety of learning styles among your fellow participants. Texting, receiving phone calls, checking email and browsing the Internet is only permitted during break times since it can be distracting to others and can interfere with their learning. We will take a break about every two hours. If you have an urgent issue that requires you to receive phone calls or texts or check email more often, please put your phone on silence and leave the classroom any time you check your phone messages, take a call, receive or send a text or check your email.
4. We are a learning community. One person's absence or tardiness affects everyone's learning experience. Please make every effort to attend all sessions, be here on time and stay until the session ends. Your instructor is required to note any absences on the certificate of completion you will receive at the end of the course. You will not be able to move on to the next course if you have excess absences or tardiness.

## Homework/Preparation for our Next CGI Session

When?	What?
ASAP	<p>Read <u>Children's Mathematics: Cognitively Guided Instruction</u>, Ch. 6</p> <p>Read article, <i>Children's Understanding of Equality: A Foundation for Algebra</i>, by K. Falkner, L. Levi, and T. Carpenter (<i>Teaching Children Mathematics</i>, Dec. 1999)</p>
Now – End of School Year	<p>Continue posing story problems to your class on a regular basis. <i>Be sure that you are posing a variety of problem types. Also be sure that you are allowing regular opportunities for students to share their strategies with each other.</i></p> <p>Pose True/False and Open Number Sentences to your class on a regular basis. <i>Facilitate class discussions focusing on both strategies used by students and a deeper understanding of the equals sign.</i></p> <p><b>** Modification for Kindergarten teachers:</b> As you begin introducing this symbol to your students, be sure that you are using it flexibly instead of the typical format: <math>\# + \# = \_</math>.</p>
In the next 4 weeks	<p>Conduct a team meeting: (date) _____</p> <p><i>Prior to meeting, pose the following Measurement Division story problem to your students. Bring your student work and/or anecdotal notes to this team meeting.</i></p> <p style="padding-left: 40px;">Lollipops cost _____ cents. How many lollipops can you buy if you have _____ cents?</p> <p style="padding-left: 40px;">Number choices: <i>(Offer numbers that will provide an interesting challenge to your students.)</i> (2, 8) (2, 14) (10, 30) (10, 70) (10, 140) (10, 76) (10, 231)</p> <p>Topic of Discussion at Team Meeting: Use the "CGI – Team Meeting Summary Sheet" to guide your discussion.</p>
Now – End of School Year	Continue having regular team meetings, using the "Sharing and Sorting Students Work – CGI Team Meetings" as a guide.
1 to 2 weeks prior to our next CGI session	An email will be sent several weeks before our session with the story problems to pose to your students.