

NAME OF OBSERVER:
 INQUIRY-PLANNING FORM

Page

*What do you want to study with the children?
 What do the children want to study?
 These are called the Big Ideas for future exploration*

Base this on the previous two forms

- *What kinds of interventions/questions can you develop that are guided by your evidence?*
- *What materials will you use to help children experiment with their theories (thinking)?*
- *These will promote children's reasoning & problem solving*
- *Match at least 4 of these to each idea in the left column*

We, the researchers see the entire list of questions here to be a focus on two BIG IDEAS:

Big Idea 1) What constitutes a game? What is your understanding about games?

1. *How can we create a game using a different object?*
2. *What rules would have to be included in the game?*

1. *How can we create a game using these objects?*
2. *We, the researchers, want her to*
 - a. *list possible objects here, or*
 - b. *plan to create a list of possible objects with the children, and / or*
 - c. *plan to have a conversation with children about how to play a game*
3. *What kind of rules should be in this game?*

Big Idea 2) The physics of rolling a ball

3. *What are other ways that we can roll a ball?*
4. *What are other ways that we can stop a ball in motion?*
5. *What are other objects that we can find that roll?*

1. *How many ways can we roll a ball?*
2. *How many ways can we stop a ball in motion?*
3. *What objects can you think of that roll easily?*
4. *What about those objects make them roll easily?*
 1. *Rolling different types of balls*
 2. *Drawing the movement of the different balls*
 3. *Pencils and paper*
 4. *Predicting where each ball will roll or land.*
 5. *Using a chart to record the predictions and results.*

Big Idea 3) Another research question we might formulate here, which Kandi did develop in later sessions is: What is the social structure of children's play?

1. *What is the maximum number of children who can play this game?*
2. *Where can we play it?*
3. *Who will lead and follow in different settings?*
4. *What leading and following behavior do we see in other centers?*
5. *What other roles develop as they deepen their understanding of the game*
6. *What other roles develop as they include more people?*
7. *Balls to play a game*