# The Brain in the Palm of the Hand

## **Preparing the Ground: Self-regulation**

Brain in the hand is based on work by Daniel J. Siegel, MD

#### Brainstem:



#### Midbrain:



#### **Prefrontal cortex:**



## Flipped lid:



#### 4. Reflection.

Ask students:

- "Do you sometimes flip your lid or have you ever been with someone who flipped their lid?" Invite students to share (no names). "What did that look like?" "Feel like?"
- "When you are really upset, have you ever done something and later thought, 'Why did I do that?' or 'I really wish I hadn't done that!' or 'What in the world was I thinking when I did that?'" (Allow some thought about why that might happen if the pre-frontal cortex is not working at that time.)
- Explain, when you are "flipped" (hand with fingers straight), you can't learn very well either. It really helps to calm back down so that you can solve problems.

#### 5. A little more brain science: Mirror neurons.

Our brains are built so that we learn by copying. When you see someone yawn do you notice that sometimes you feel like yawning? Even babies copy what they see. Our brains also mirror feelings. When we are with other people who are sad, we can feel their sadness. The nerves (neurons) that do this are called *mirror neurons*.

- Holding up one hand as a "flipped lid" ask students what might happen to someone near that person because of mirror neurons. (They are likely to flip their lid too.)
- Holding both hands in the "flipped lid" positions, ask students what might happen if two people approach each other like this. (They might get into a fight.)
- What might students need to do to find their thinking brains and solve their problem? (Move away, calm down, unflip their lids).

#### 6. Exploring self-regulation.

 Invite the students to share what they have found helpful to calm or re-gather themselves. Make a list of some of the tools.

### 7. Designing a space.

- Explain that sometimes it is helpful in a classroom to have a place to calm down, to sort out feelings and to regather. This is not a place where students go as a punishment, but a place to calm down until the student feels better.
- Either as a class or in small groups, invite students to brainstorm what kind of calming- down place could be created in the classroom. Ask them to think of some possible names for the area. (Common names include: the alone zone, Hawaii, Antarctica, the chill spot, calming quarter.)
- Make a list of the ideas from the class (or from different groups). Invite students to fhink about the list for a day.

8. Deciding on the space and setting up agreements. The next day, as a class:
Pick ideas from the list that are doable and practical for making a time out area.
Establish a plan for how it will be created.
Vote on or choose a name for the area.
Decide if any guidelines are needed about using this calming down place. If the students suggest guidelines, have them select 3 or 4 from the list that can be made into a poster as a reminder.

## Tips:

- It can be helpful to post a list of things that are useful when you or someone else has a "flipped lid." When I have a "flipped lid" I could: Take 3 slow deep breaths, go to our cool-down zone, put my head down for 30 seconds, etc. When a friend has a flipped lid, I could: Not take it personally, invite them to breathe deeply, give them space, etc.
- Some teachers are worried students will go to the cool-down spot just to play or to avoid doing their work. If this is one of your concerns bring it up as students are setting the guidelines. It is better to ask instead of tell. For example, "Do you think that this will be a space to use to play?\*" "What would happen if you use the space during work time? When would you get your work done?" When a problem develops, it is a great opportunity to review guidelines and focus on solutions. Let the class share how they feel about the space being used this way, as well as their ideas for correcting the problem. When only one student is consistently misusing the space, consider individual problem solving.
- A frequent question from teachers is, "What happens when the student won't go to the cool down spot?" One reason students refuse to go is that they associate going to "time out" with being bad, or being punished. Another reason is that when someone has "flipped" they are not totally in their thinking brain. Some strategies that have worked for others are:

-	Offer a choice.", you seem upset. Do you think you can cool down at your desk, or would it be helpful to go to the cool-down spot?"
-	Offer an ear.", I can tell you are upset I'd be glad to listen to what is going on for you after I Do you want to wait at your desk or would it be more helpful to go to the cool down spot?"

- Some teams of teachers invite students to use the calming down space in the other classroom, so that they are not as near the incident or people that were the trigger. It is best to do this only in extreme situations. When students are able to stay in the same room they:
  - Miss less class
  - Do not risk being embarrassed by having to leave class or show up in another class
  - Students see how peers can transition from feeling upset to becoming self-regulated.

<sup>\*&</sup>quot;The Brain in the Palm of the Hand" is the work of Daniel J. Siegel, M.D., first published in his book, *Parenting from the Inside Out* (2003) and more recently published in *The Whole-Brain Child* (2011). Dr. Siegel is not associated and/or affiliated with, and does not endorse and/or sponsor the Positive Discipline Association and/or its activities.