

Teaching I

Critical Thinking

On the cover of my memoir *Bone Black* there is a snapshot of me taken when I was three or four. I am holding a toy made in vacation Bible school, a book shaped like a dove. I often joke that this picture could be called “a portrait of the intellectual as a young girl”—my version of *The Thinker*. The girl in the snapshot is looking intensely at the object in her hands; her brow a study in intense concentration. Staring at this picture, I can see her thinking. I can see her mind at work.

Thinking is an action. For all aspiring intellectuals, thoughts are the laboratory where one goes to pose questions and find answers, and the place where visions of theory and praxis come together. The heartbeat of critical thinking is the longing to know—to understand how life works. Children are organically predisposed to be critical thinkers. Across the boundaries of race, class, gender, and circumstance, children come into the world of wonder and language consumed with a desire for

knowledge. Sometimes they are so eager for knowledge that they become relentless interrogators—demanding to know the who, what, when, where, and why of life. Searching for answers, they learn almost instinctively how to think.

Sadly, children's passion for thinking often ends when they encounter a world that seeks to educate them for conformity and obedience only. Most children are taught early on that thinking is dangerous. Sadly, these children stop enjoying the process of thinking and start fearing the thinking mind. Whether in homes with parents who teach via a model of discipline and punish that it is better to choose obedience over self-awareness and self-determination, or in schools where independent thinking is not acceptable behavior, most children in our nation learn to suppress the memory of thinking as a passionate, pleasurable activity.

By the time most students enter college classrooms, they have come to dread thinking. Those students who do not dread thinking often come to classes assuming that thinking will not be necessary, that all they will need to do is consume information and regurgitate it at the appropriate moments. In traditional higher education settings, students find themselves yet again in a world where independent thinking is not encouraged. Fortunately, there are some classrooms in which individual professors aim to educate as the practice of freedom. In these settings, thinking, and most especially critical thinking, is what matters.

Students do not become critical thinkers overnight. First, they must learn to embrace the joy and power of thinking itself. Engaged pedagogy is a teaching strategy that aims to restore students' will to think, and their will to be fully self-actualized. The central focus of engaged pedagogy is to enable students to think critically. In his essay "Critical Thinking: Why Is It So Hard to Teach?" Daniel Willingham says critical thinking consists

of seeing both sides of an issue, being open to new evidence that disconfirms young ideas, reasoning

dispassionately, demanding that claims be backed by evidence, deducing and inferring conclusions from available facts, solving problems, and so forth.

In simpler terms, critical thinking involves first discovering the who, what, when, where, and how of things—finding the answers to those eternal questions of the inquisitive child—and then utilizing that knowledge in a manner that enables you to determine what matters most. Educator Dennis Rader, author of *Teaching Redefined*, considers the capacity to determine “what is significant” central to the process of critical thinking. In their book *The Miniature Guide to Critical Thinking: Concepts and Tools*, Richard Paul and Linda Elder define critical thinking as “the art of analyzing and evaluating thinking with a view to improving it.” They further define critical thinking as “self-directed, self-disciplined, self-monitored and self corrective.” Thinking about thinking, or mindful thinking about ideas, is a necessary component of critical thinking. Paul and Elder remind us:

Critical thinkers are clear as to the purpose at hand and the question at issue. They question information, conclusions and point of view. They strive to be clear, accurate, precise, and relevant. They seek to think beneath the surface, to be logical and fair. They apply these skills to their reading and writing as well as to their speaking and listening.

Critical thinking is an interactive process, one that demands participation on the part of teacher and students alike.

All of these definitions encompass the understanding that critical thinking requires discernment. It is a way of approaching ideas that aims to understand core, underlying truths, not simply that superficial truth that may be most obviously visible. One of the reasons deconstruction became such a rage in academic circles is that it urged people to think long, hard, and

critically; to unpack; to move beneath the surface; to work for knowledge. While many critical thinkers may find intellectual or academic fulfillment doing this work, that does not mean that students have universally and unequivocally embraced learning to think critically.

In fact, most students resist the critical thinking process; they are more comfortable with learning that allows them to remain passive. Critical thinking requires all participants in the classroom process to be engaged. Professors who work diligently to teach critical thinking often become discouraged when students resist. Yet when the student does learn the skill of critical thinking (and it is usually the few and not the many who do learn) it is a truly rewarding experience for both parties. When I teach students to be critical thinkers, I hope to share by my example the pleasure of working with ideas, of thinking as an action.

Keeping an open mind is an essential requirement of critical thinking. I often talk about radical openness because it became clear to me, after years in academic settings, that it was far too easy to become attached to and protective of one's viewpoint, and to rule out other perspectives. So much academic training encourages teachers to assume that they must be "right" at all times. Instead, I propose that teachers must be open at all times, and we must be willing to acknowledge what we do not know. A radical commitment to openness maintains the integrity of the critical thinking process and its central role in education. This commitment requires much courage and imagination. In *From Critical Thinking to Argument* authors Sylvan Barnet and Hugo Bedau emphasize that, "Critical thinking requires us to use our imagination, seeing things from perspectives other than our own and envisioning the likely consequences of our position." Therefore, critical thinking does not simply place demands on students, it also requires teachers to show by example that learning in action means that not all of us can be right all the time, and that the shape of knowledge is constantly changing.

The most exciting aspect of critical thinking in the classroom is that it calls for initiative from everyone, actively inviting all students to think passionately and to share ideas in a passionate, open manner. When everyone in the classroom, teacher and students, recognizes that they are responsible for creating a learning community together, learning is at its most meaningful and useful. In such a community of learning there is no failure. Everyone is participating and sharing whatever resource is needed at a given moment in time to ensure that we leave the classroom knowing that critical thinking empowers us.