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# Perils & Promise of Praise

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We often hear these days that we've produced a generation of young people who can't get through the day without an award. They expect success because they're special, not because they've worked hard.

I think teachers commonly hold beliefs that do just that. Many believe that praising students' intelligence builds their confidence and motivation to learn. Our research has shown that this belief is false and can be harmful—even for the most competent students.



Praise is intricately connected to how students view their intelligence. Some students believe that their intellectual ability is a fixed trait. They have a certain amount of intelligence, and that's that. Students with this fixed mind-set become excessively concerned with how smart they are, seeking tasks that will prove their intelligence and avoiding ones that might not (Dweck, 1999, 2006). The desire to learn takes a backseat.

Other students believe that their intellectual ability is something they can develop through effort and education. They don't necessarily believe that anyone can become an Einstein or a Mozart, but they do understand that even Einstein and Mozart had to put in years of effort to become who they were. When students believe that they can develop their intelligence, they focus on doing just that. Not worrying about how smart they will appear, they take on challenges and stick to them (Dweck, 1999, 2006). This is a growth mind-set.

The fixed and growth mind-sets create two different psychological worlds. In the fixed mind-set, students care most about how they'll be judged: smart or not smart. Repeatedly, students with this mind-set reject opportunities to learn if they might make mistakes (Hong, Chiu, Dweck, Lin, & Wan, 1999; Mueller & Dweck, 1998). When they do make mistakes or reveal deficiencies, rather than correct them, they try to hide them (Nussbaum & Dweck, 2007).

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They are also afraid of effort because effort makes them feel dumb. They believe that if you have the ability, you shouldn't need effort (Blackwell, Trzesniewski, & Dweck, 2007), that ability should bring success all by itself. This is one of the worst beliefs that students can hold. It can cause many bright students to stop working in school when the curriculum becomes challenging.

Finally, students in the fixed mind-set don't recover well from setbacks. When they hit a setback in school, they decrease their efforts and consider cheating (Blackwell et al., 2007). The idea of fixed intelligence does not offer them viable ways to improve.

By contrast, in the growth mind-set, students care about learning. When they make a mistake or exhibit a deficiency, they correct it (Blackwell et al., 2007; Nussbaum & Dweck, 2007). For them, effort is a positive thing: It ignites their intelligence and causes it to grow. In the face of failure, these students escalate their efforts and look for new learning strategies.

It is not surprising, then, that when we have followed students over challenging school transitions or courses, we find that those with growth mind-sets outperform their classmates with fixed mind-sets—even when they entered with equal skills and knowledge. A growth mind-set fosters the growth of ability over time (Blackwell et al., 2007; Mangels, Butterfield, Lamb, Good, & Dweck, 2006; see also Grant & Dweck, 2003).

## The study

In many of our studies (see Mueller & Dweck, 1998), 5th grade students worked on a task, and after the first set of problems, the teacher praised some of them for their intelligence (“You must be smart at these problems”) and others for their effort (“You must have worked hard at these problems”). We then assessed the students' mind-sets. In one study, we asked students to agree or disagree with mind-set statements, such as, “Your intelligence is something basic about you that you can't really change.” Students praised for intelligence agreed with statements like these more than students praised for effort did. Thus, we found that praise for intelligence tended to put students in a fixed mind-set (intelligence is fixed, and you have it), whereas praise for effort tended to put them in a growth mind-set (you're developing these skills because you're working hard).

We then offered students a chance to work on either a challenging task that they could learn from or an easy one that ensured error-free performance. Most of those praised for intelligence wanted the easy task, whereas most of those praised for effort wanted the challenging task and the opportunity to learn.

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Next, the students worked on some challenging problems. As a group, students who had been praised for their intelligence lost their confidence in their ability and their enjoyment of the task as soon as they began to struggle with the problem. If success meant they were smart, then struggling meant they were not. The whole point of intelligence praise is to boost confidence and motivation, but both were gone in a flash. Only the effort-praised kids remained, on the whole, confident and eager.

When the problems were made somewhat easier again, students praised for intelligence did poorly, having lost their confidence and motivation. As a group, they did worse than they had done initially on these same types of problems. The students praised for effort showed excellent performance and continued to improve.

Finally, when asked to report their scores (anonymously), almost 40 percent of the intelligence-praised students lied. Apparently, their egos were so wrapped up in their performance that they couldn't admit mistakes. Only about 10 percent of the effort-praised students saw fit to falsify their results.

Praising students for their intelligence, then, hands them not motivation and resilience but a fixed mind-set with all its vulnerability.

## Questions

1. What is meant by a “fixed mindset?” What is meant by a “growth mindset?”
2. What is Dweck’s **theory** about the effect of praise?
3. How does Dweck carry out research to test her theory? What was her **procedure**?
4. What were Dweck’s findings? What were the **results** of her study?
5. Finally, what are the **implications** for her research? What do they mean for our own school community?