



2019 Fall Conference

Math Teachers as **TRANSFORMERS**:
Transforming Learning, Transforming Lives



TRANSFORMING
LEARNING
TRANSFORMING
LIVES

Sunday, September 29 (1PM – 6:15 PM EST) and Monday, September 30 (8AM – 3:30 PM EST)

Conference Web Page: <http://ictm.onefireplace.org/2019-Fall-Conference>

Registration: <http://ictm.onefireplace.org/event-3251445>

Keynote Speakers

Christa Jackson

Associate Professor of Mathematics Education

Equity and Access: Examining Teachers' Conceptions to Effectively Position Students

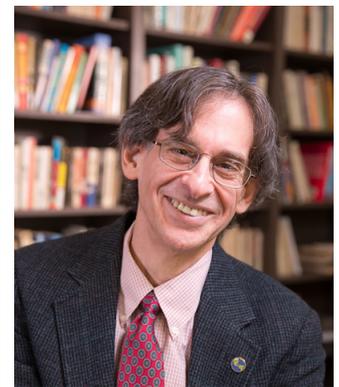
Many mathematics teachers contend issues of equity are not relevant factors in the mathematics classroom. However, mathematics instruction should build on students' cultural background and experience. In order to effectively teach mathematics from an equity stance, teachers must understand students from diverse backgrounds come into the mathematics classroom with different world-views. NCTM (2014) states, to address issues of equity, mathematics teachers must include aspects of the student's culture to support mathematics learning for each and every student. In this session, we will examine our own conceptions of access and equity and discuss its relevance in our own practice of mathematics teaching and learning.

**Alfie Kohn**

Author (of *The Schools Our Children Deserve* and other books) and Lecturer

In a Context and For a Purpose: Constructing a Progressive Math Classroom

Traditional math instruction consists of filling students with information about decimals and variables, having them memorize algorithms and practice procedures. The process typically relies on lectures, worksheets, textbooks, grades, tests, and homework -- and has two predictable results: Millions of children end up hating math (and thinking of themselves as incapable of doing it), and even many of those who "succeed" really don't understand what they're doing. Our challenge is to help students actively construct meaning around mathematical ideas -- to think like mathematicians and, ideally, get a kick out of doing so. In his keynote address, Alfie Kohn invites us to reflect on how we can bring about just such a shift in our classrooms.

**Michael Steele**

President, Association of Mathematics Teacher Educators

Taking Action in Mathematics Teacher Education: Effective Teaching and Effective Teacher Learning

NCTM's *Principles to Action* describes eight research-based effective mathematics teaching practices that positively impact students' mathematics learning. AMTE's *Standards for Preparing Teachers of Mathematics* outlines an aspirational vision for well-prepared beginning teachers of mathematics across the PreK-12 spectrum. The AMTE *Standards* also describe the roles that all of us - classroom teachers, mathematicians, education faculty, district and higher education administrators - have to play as mathematics teacher educators. This session brings together the vision of *Principles to Action* and the messages of the AMTE *Standards* to call us to action in strengthening our classroom instruction and developing a meaningful mathematics teaching community at the local, state, and national levels.

**Location**

Marriott East
7202 East 21st Street
Indianapolis, IN 46219 (Phone: 317-352-1231)
Rate: \$126 per night by September 6th, 2019.
Reservations at the conference rate: <https://book.passkey.com/go/mathteachers19>

Cost

Conference Registration \$135 (\$150 after 9/3/2019)
Student registration \$40 (\$50 after 9/3/2019)
Monday lunch included with paid registration.