

State Board of Education  
2500 N. Lincoln Blvd.  
Oklahoma City, OK 73105

January 26, 2022

Dear Superintendent Hofmeister,

As math curriculum leaders from districts across the state of Oklahoma, we are writing to you today to give our support for the newly revised Oklahoma Academic Standards for Mathematics. We believe these clear and concise standards will continue to provide excellent guidance for teachers to prepare students for college and careers. We have had the opportunity to examine the standards closely and are confident that they offer a rigorous and structured framework for instruction. In addition, they are closely aligned to the ACT, SAT and NAEP assessments. The vertical progressions are clearly outlined for teachers and provide a valuable tool for parents/guardians to support their children's academic growth. We especially appreciate the specificity of the standards and the integration of the Mathematical Actions and Processes.

Without hesitation, we fully endorse and support the adoption of the revised Oklahoma Academic Standards for Mathematics. In addition, we pledge to use our combined expertise and resources to prepare and support mathematically literate teachers and students across the state.

Sincerely,

The Oklahoma Math Consortium

Members:

Michele Hale - Yukon Public Schools

Misty Eidson - Mustang Public Schools

Jenny Woods - Owasso Public Schools

Charlene Ashley - Moore Public Schools

Andrea Wood - Mid-Del Public Schools

Jennifer Lowery - Moore Public Schools

Jennifer Ingram - Deer Creek Schools

Kerry Weingartner - Broken Arrow Public Schools

Scott Paul, Ed.D. - Oklahoma City Public Schools

Stephanie Garis - Enid Public Schools

Becky Archibald - Edmond Public Schools

Telannia Norfar - Oklahoma City Public Schools

Mava Goddard - Glenpool Public Schools

Carrie Price - Oklahoma City Public Schools

Julie Owens - El Reno Public Schools

Susan Sawyer - Edmond Public Schools

Amy Riff - Sapulpa Public Schools

Jamie Rentzel - Norman Public Schools

Robbyn Glinsmann - Mustang Public Schools



**Tahlequah High School**

591 Pendleton  
Tahlequah, OK 74464  
918.458.4150  
918.458.4152 (fax)  
www.tahlequahschools.org

**Principal**

Lacie Wilson

**Office Manager**

Jade Adams

**Assistant Principals**

Stacey Foley (9<sup>th</sup> & 10<sup>th</sup> grade)  
Mark Jordan (9<sup>th</sup> & 12<sup>th</sup> grade)  
Dusty Sifers (9<sup>th</sup> & 11<sup>th</sup> grade)

**Counselors**

Sherry Qualls (A-D)  
Mandi Stafford (E-K)  
Jennifer Lynn (L-R)  
James Williams (S-Z)

**Registrar**

Leah Matlock  
918.458.4205 (fax)

**Tigers ROAR!**

"At THS we expect students  
to achieve academic  
success and to become  
responsible, productive  
citizens."

February 10, 2022

Oklahoma State Board of Education  
2500 N. Lincoln Boulevard  
Oklahoma City, OK 73105

Honorable Members of the Board,

I am writing to express my approval of the Oklahoma Academic Standards for Mathematics currently under revision. I have reviewed a draft copy and found them to be research based with an emphasis on both content and process skills, developmentally appropriate, well aligned to ACT and NAEP expectations, and delivered in a user-friendly format. I found that the standards progress from grade to grade and course to course in a manner informed by research on children's cognitive development and by the logical structure of mathematics.

Mathematics educators across our state are to be commended for their dedication to create quality standards that will ensure our students are well prepared for the workforce. I appreciate the opportunity and transparency to review the standards in draft form so I could provide careful consideration and feedback to the committee.

We are on the right track with the 2022 OAS for Mathematics!

Respectfully,

*Chuck Pack*

Chuck Pack, NBCT '07 '17  
THS Mathematics Chair

Feb 11, 2022

Dear State Superintendent,

Upon the review of the Oklahoma Academic Standards for Mathematics, I am pleased to write this letter of approval. A colleague at Pryor High School has participated in the writing process and review process of the standards this year and I have reviewed the standards on my own. We have determined that the standards are a quality body of work and essential to the learning of mathematics of our students across the state. We acknowledge that these standards are the minimum required for each content area and the foundation for success in future mathematics courses.

I appreciate the thoughtfulness, research, time and effort given to the culmination of the Oklahoma Academic Standards for Mathematics.

The standards are beneficial in many ways. Please find a few below that we feel are most beneficial to our district:

- provides a guide for the specific content area teachers
- teachers are able to more accurately identify and help students with deficiencies
- allows teachers to vertical team which increases the effectiveness of the standards and teaching processes
- provides rigor for students

Thank you again for the work that is continually being done to push student success in mathematics forward in Oklahoma. I am proud to endorse these standards.

Thank you,

Lori Martin  
PAEMST 2003  
NBCT 2003  
Pryor High School  
Mathematics Dept. Chair  
RSU Mathematics adjunct



## DEPARTMENT OF MATHEMATICS

401 Mathematical Sciences Stillwater, OK 74078-1058

Tel: 405-744-5688 Fax: 405-744-8275

February 10, 2022

Superintendent Joy Hofmeister  
Oklahoma State Department of Education  
Oliver Hodge Building  
2500 North Lincoln Boulevard  
Oklahoma City, OK 73105

Dear Superintendent Hofmeister:

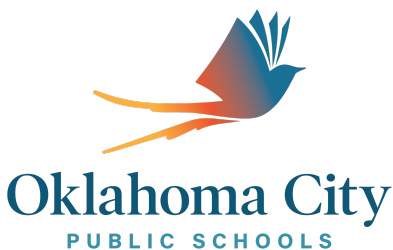
I am writing to express support for the Oklahoma Academic Standards for Mathematics. Literally hundreds of experts in the content and pedagogy of mathematics from across the state of Oklahoma have labored over these standards for several months. The resulting document specifies essential mathematical practices, understandings, and skills for each grade level that are informed by decades of mathematics education research literature. My hope is that these standards will provide a foundation for teacher education and professional development for Oklahoma's current and aspiring teachers. Moving forward with these standards will enhance the potential for all students to have access to high-quality mathematics instruction and be equipped to pursue career interests in rapidly growing STEM industries. The long term economic vitality of our state depends on clear, coherent, comprehensive, and rigorous academic standards for students within our public education system.

I participated in reviewing the Oklahoma Academic Standards for Mathematics and am happy to endorse the standards as they are being presented.

Sincerely,

A handwritten signature in black ink, appearing to read "m. a. tallman", with a stylized flourish at the end.

Michael A. Tallman  
Assistant Professor of Mathematics Education  
Department of Mathematics  
Oklahoma State University



February 1, 2022

Superintendent Joy Hofmeister  
Oklahoma State Department of Education  
2500 North Lincoln Boulevard  
Oklahoma City, OK 73105

Dear Superintendent Hofmeister,

We are happy to write to you and the Board of Education in support of the 2022 Oklahoma Academic Standards for Mathematics. Our district has been very involved in the writing, revising, and editing of the final version of these standards. Throughout the process, mathematics professionals came together to engage in rich dialogue resulting in the 2022 OAS-Mathematics being a high quality product.

These standards will be able to guide our educators in Oklahoma City Public Schools and the state of Oklahoma in leading our students toward a robust elementary and secondary mathematics education. Therefore, enabling students to successfully compete with those from around the nation and globally in their post-secondary endeavors.

We are very excited to see the responsiveness of the writing committee to the suggestions from key stakeholders around Oklahoma that included parents, teachers, curriculum coordinators, professors, and members of the business community. A few of the enhancements made include cohesive vertical alignment, addressing needs for increased numeracy, and greater clarity in the standards and objectives. We recommend the adoption of these standards and wish to commend the hard work of the Oklahoma State Department of Education and all the participants across the state who gave their time to work on them.

Sincerely,  
Carrie Price, M.Ed., Elementary Math Curriculum Coordinator  
Scott Paul, Ed.D., Curriculum Coordinator Secondary Mathematics

February 10, 2022

Oklahoma State Board of Education  
2500 N. Lincoln Boulevard  
Oklahoma City, OK 73105

Dear Honorable Members of the Board,

We are writing this letter to show our support for the Oklahoma Academic Standards for Mathematics.

As teachers who have participated in Oklahoma EXCEL for Mathematics over the past 3 years, it is exciting to see that the changes we have been implementing are now aligned to our standards. The addition of “modeling” and “justification” being incorporated into the standards aligns with our teaching philosophy as a school, as a result of OK Excel. One of our teachers, who participated in the Geometry Review committee, appreciates the process of involving teachers in establishing essential standards.

Several changes that were made vertically align to the essential standards. The changes make the standards clear. We encourage the Oklahoma State Board of Education to adopt these new and improved standards.

Sincerely,

Oklahoma Connections Academy K-12 Mathematics Teachers



February 7, 2022

Superintendent Joy Hofmeister  
State Superintendent of Education  
Oklahoma State Department of Education  
Oliver Hodge Building  
2500 North Lincoln Boulevard  
Oklahoma City, Oklahoma 73105

Dear Superintendent Joy Hofmeister:

The Oklahoma Council of Teachers of Mathematics is honored to write a letter in support of the Oklahoma Math Standards that are being written by a committee of Oklahoma mathematics educators. The OCTM Board feels the standards will help Oklahoma children become college and career ready.

After close inspection, we find that the new standards are rigorous for all students. We value the visible vertical alignment and connections among grade levels that these new standards possess. As mathematics educators, these clear, concise and measurable standards are a positive change for the future of Oklahoma education. The vision and guiding principles for the standards ensures that our students will be mathematical thinkers and communicators. We also appreciate the transparent process and the ability for Oklahoma mathematicians and mathematics educators at all levels to be a part of the development by having opportunities to comment on the various drafts. We find that our voices and comments made an impact on the writing process.

In conclusion, we fully support the efforts of the mathematics standards writing committee and the Oklahoma Math Standards. These standards are just what Oklahoma students need in order to be college and career ready.

Sincerely,

OCTM Board of Directors  
[www.okctm.org](http://www.okctm.org)



February 11, 2022

Superintendent Joy Hofmeister  
State Superintendent of Education  
Oklahoma State Department of Education  
Oliver Hodge Building  
2500 North Lincoln Boulevard  
Oklahoma City, Oklahoma 73105

Dear Superintendent Joy Hofmeister:

This letter is to provide full support for the new Oklahoma Math Standards. As a teacher for the last 16 years, I have found standards to be essential for providing quality learning for all students. It provides consistency for all Oklahoma children as they progress through K-12 education.

The update to the standards ensures high quality learning for all students. It enables them to be mathematically competent and ready for college or career. As a member of the executive team who oversaw and assisted with the development of the revision, I can bear witness to the rigor of the process and the constant attention to alignment, clarity and high expectations for learning mathematics.

I eagerly await to implement the new standards in my practice along with all Oklahoma teachers.

Sincerely,

*Telannia Norfar*

Telannia Norfar  
2017 and 2021 Presidential Award for Science and Mathematics Teaching State Finalist  
Oklahoma Council of Teachers of Mathematics Past President



5005 S Darlington Ave.  
Tulsa, OK 74135

• Phone: 918.779.4010  
• Email: [info@TulsaSTEM.org](mailto:info@TulsaSTEM.org)  
• Website: [TulsaSTEM.org](http://TulsaSTEM.org)

February 14, 2022

Joy Hofmeister  
Superintendent of Public Instruction  
Oklahoma State Department of Education  
2500 N. Lincoln Blvd.  
Oklahoma City, OK 73105

**RE: Oklahoma Academic Standards for Mathematics**

Tulsa Regional STEM Alliance (TRSA) sits at the intersection of community partnerships, nonprofits, industry, and workforce development initiatives, and PK-20 school systems shaping, creating, and supporting high-quality STEM education for all. TRSA coordinates, strengthens, and directly provides opportunities, possibilities, and resources for educators and students in science, mathematics, engineering, and technology across the Tulsa region. By cultivating meaningful partnerships and pathways, educators are STEM-prepared and students are inspired and prepared to be STEM-ready. Therefore, we have a vested interest in the quality of STEM education—particularly mathematics education—so that Oklahoma students are given the best chance to gain numeracy throughout their PK-12 education.

Oklahoma students deserve access to nationally competitive expectations in mathematics as defined by the Oklahoma Academic Standards. TRSA supports the proposed 2022 academic standards for mathematics for adoption by the Oklahoma State School Board and Legislature. Academic standards are just one critical aspect of the ecosystem that promotes excellence in Oklahoma's education, and we would be remiss to not point out that a strong educational landscape will only ever be possible when world-class standards, sufficient funding, competitive teacher pay, empowered local leadership, mutual respect, high-quality curriculum, access to resources, and internal accountability systems are championed by the state of Oklahoma. We appreciate that you and the Oklahoma State Department of Education have served as that champion.

To the extent that academic standards can impact learning outcomes for Oklahoma students, those standards must have focus, coherence, and clarity. Excellent standards must focus on the content and practices known to promote conceptual understanding and procedural fluency. They must carefully weave interconnected progressions from across the domains of Number and Operations, Algebra, Geometry and Measurement, and Data and Probability so teachers and students can make connections among ideas within their grade and across the grades. And the standards must be designed so teachers, curriculum developers, leaders, and knowledgeable community members can have a clear understanding of what the student should be expected to do and understand. On each matter, the 2022 draft of the Oklahoma Academic Standards for Mathematics has made improvements compared to the 2016 version.

TRSA understands the enduring challenge of preparing students for the ever-evolving workforce is inextricably linked to the competence and confidence our education system instills in them. They should be provided many pathways to pursue their interests in mathematics as they prepare for their post-secondary endeavors. For the first time in our state's history, the proposed standards address Pre-Calculus and Statistics and Probability. We commend you for prioritizing this new development. Additionally, the increased alignment among standards and objectives and the ongoing commitment to the Mathematical Actions and Processes reassure us that these standards have been revised with care.

TRSA is happy to support the proposed standards for consideration and approval by the Oklahoma State Board of Education and the Oklahoma Legislature. We hope they will appreciate, as we do, that the writing and draft teams of educators, and staff of the Oklahoma State Department of Education, have undoubtedly had to balance personal and professional responsibilities and the ongoing challenges of teaching during a pandemic. We applaud all those who gave their time and expertise to conduct this review.

Sincerely,

A handwritten signature in black ink, appearing to read "Levi J. Patrick", is written over a light blue rectangular background.

Levi J. Patrick, M. Ed.  
Executive Director