

Texas Math & Science Coaches Association

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TMSCA Newspaper

Fall 2020

TMSCA competitions lead to career in physics

Dr. David Bixler, physics test writer for the Texas University Interscholastic League in his own words:

I attended Sweetwater High School in the 1980s. Sweetwater was classified as 4A at the time. I competed in Number Sense, Mathematics and Science. Unfortunately, I never placed higher than alternate to Regionals (that was in Number Sense). I did do well in the Physics section of the Science test but not well enough to get past District.

I placed first in Physics at several practice events and competed in a number of TMSCA events. Our coach for all three of these events was a math teacher, so we did study physics a lot, but we never really worked enough to place well on the other two portions of the exam.

My first interest in becoming a physi-

cist began during that time, and I can say that the competitions helped me choose my major in college and my career.

I graduated high school in 1988 and went to Tarleton State University to study Physics. While there, I did help each year with the practice UIL meet that was hosted at the university. I got married in 1991 (to a Biologist!), and I graduated with my Bachelor's degrees in Physics and Mathematics in 1992. I entered graduate school that same year at Rice University.

Graduate school is all about research, which is immense fun but doesn't leave much time for anything else, so I lost touch with UIL during this period. My first research project was on developing laser systems that work at wavelengths that were difficult to achieve, and that

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Dr. David Bixler, physics test writer for the Texas University Interscholastic League.

TMSCA remains flexible to meet member needs

As the 2020-2021 school year has begun, TMSCA recognizes the necessity to remain flexible to meet the many varied needs of our member schools as we navigate this "new normal" in the age of the COVID-19 virus.

So many schools are just now returning to classes for the fall semester, with varied education plans of online classes, live classes and a combination of both. Each district has had to respond to the COVID-19 pandemic in the way that best ensures the health and safety of their students and teachers in their particular geographic location. Therefore, TMSCA is dealing with countless numbers of scenarios across the state. In areas where the pandemic is less severe, schools are able to return to a near normal educational environment while

We at TMSCA feel strongly that in this new educational environment, it is more important than ever to offer our member schools ideas about new and innovative ways to challenge our academically talented students.

other areas remain under much stricter regulation because of the severity of the pandemic. There is no one solution that will fit all scenarios.

For this fall, the need to remain cau-

tious in allowing students to participate in extracurricular activities such as TMSCA/UIL events seems to be the trend. Keeping this in mind and after careful consideration, TMSCA is still offering our full slate of practice and tournament materials. Delivery of the materials will still be electronically. Membership forms and materials order forms are available on the TMSCA website: www.tmsca.org.

To help both middle and high schools to offer meets for students in an online format, TMSCA is offering the use of our registration website for our member schools to use at no charge and will help to facilitate the sponsorship of any on-line meets. In addition, we will offer

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2019-2020 TMSCA Executive Board

President

Steve Holmes
Queen City HS
905 Houston St.
Queen City
75572-0128
School:
903.796.8259
email: sholmes@qcisd.net



MS Director

Carol
Stringfellow
433 Country
Place South
Abilene 79606
Phone:
325-668-9253
email: carolekellamstringfellow@gmail.com



President-Elect

Josh Newton
DeSoto ISD
PO Box 128
Dallas 75572
email:
joshua.newton@desotoisd.org



MS Director

Sammy Wyatt
Rankin MS
1300 Upton St.
Rankin 78778
Phone:
436-249-2720
email: swyatt@rankinisd.net



Secretary

Michelle Randall
Pine Tree JH
2100 Loop 281
Longview
75604
Phone:
903.295.5081
email: mrandall@ptisd.org



State Meets Coordinator

Joan Naylor
3132 N.
Trinity Rd.
Denton
76208
Home:
940-391-9746
email: jnaylor@aol.com



Treasurer

Sheri Woodall
Tioga HS
855 McKnight
Drive
Tioga 76271
email: sheri.woodall@tiogaisd.net



UIL Liason

Cliff McCurdy
Phone:
940-395-3139
email:
gfc800m@gmail.com



HS Director

Tim Orsak
Olney HS
8009 W. Hamilton
Olney 76374
Phone:
940-334-7016



Executive Secretary

Julie Majewski-Smith
PO Box 206
Olney
76374-0206
Phone:
940-563-1005
FAX: 940-563-1006
e-mail execsectmsca@gmail.com
email regarding newspaper
tmscanews4u@gmail.com

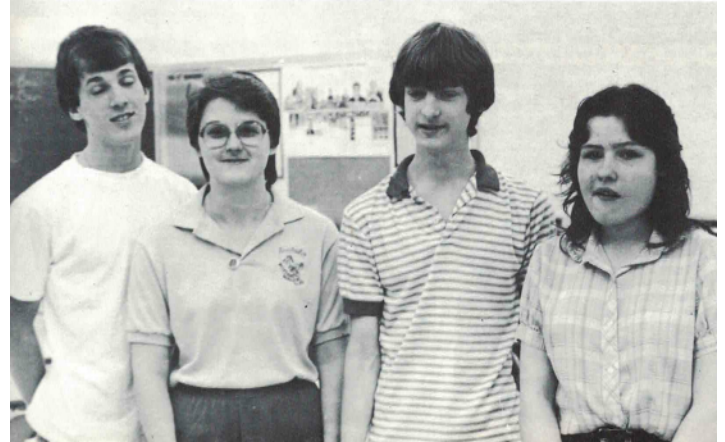


HS Director

Wenzen Chuang
Highland Park HS
4220 Emerson
Dallas 75205
Phone:
972-523-2189
email
chuang@hpsid.org



Editor: Rhonda Moore
4501 Whispering Valley #29
Austin, TX 78727
email:
rhondamoore512@gmail.com



Pictured above is the 1986 Sweetwater High School science team. Second from the right is David Bixler.

Bixler recalls high school competitions in TMSCA

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work led to my Master's degree in 1995. Having succeeded in making a laser of the correct wavelength, my research turned to using that laser to spin-polarize ion beams to study magnetic effects on metal surfaces.

I finished my Ph.D. in 1998 and immediately began teaching at Angelo State University (ASU) in San Angelo. In 1999, I became the science director for the 4A regional contest at ASU, a position I held until 2008. In that position I met many of the coaches and writers of the time, one of whom would eventually call me and ask if I was interested in writing physics questions for the UIL and TMSCA exams.

My wife and I began a family shortly after arriving in San Angelo. We have three children, the first born in 2000, the second in 2001 and the third 2002. My oldest child competed in UIL Computer Science, and he is now a computer

science major at the University of Texas at Dallas. My middle child is a Kinesiology major at Texas Tech University, and my youngest is a high school senior. Neither of my two younger children competed in UIL academic competitions but have competed in athletic competitions.

As my children grow up and leave home, I find myself returning to the hobbies of my youth – coin collecting, gardening and wasting a little time playing video games. In 2012, I became the Department Chair of Physics and Geosciences at ASU, which has given me more opportunity to participate in university administration.

The academic contests have always been important to me, and I am honored to be a part of helping future generations hone their skills. Hopefully, others who compete in this contest will be inspired to pursue a science career as I was.

This is my fifth year of writing physics questions for UIL, my fourth year of writing for TMSCA, and I hope there are many years yet to come.

2020 TMSCA State Meet T-Shirts



COST: \$8.00

Order your commemorative shirts from the TMSCA state meets. Limited quantities available. Add \$5.00/shirt for sizes 2XL, 3XL and 4XL. No charge for shipping. School orders ONLY. **NO INDIVIDUAL ORDERS**

School Name: _____

Sponsor: _____ Email: _____

S _____ M _____ L _____ XL _____ 2XL _____ 3XL _____ 4XL _____ (indicate qty. in blank)

Scan and email this form to: execsectmsca@gmail.com or fax to: 940.563.1006.

PAYMENT ARRANGEMENTS MUST BE MADE BEFORE ORDER IS SHIPPED.

THIS FORM FOR SCHOOL GROUP ORDERS ONLY. INDIVIDUAL ORDERS PLACED USING THIS FORM WILL NOT BE ACCEPTED.

AMT DUE: \$ _____ Check # _____ P.O.# _____

SHIPPING INFORMATION (UPS delivery - no P.O. Boxes):

School Street Address: _____

City: _____ Zip: _____

2020 Commemorative T-Shirts

The TMSCA state office has received many requests from coaches who wanted to be able to give their students a memento of their participation in the TMSCA program for 2019-20.

Following the cancellation of both TMSCA state meets due to the COVID-19 pandemic, we were able to cancel most of the services and items that were

ordered for the state meets. However, we had a partial order of our 2020 T-shirts that were already printed and eventually shipped to the TMSCA state office. We are offering these shirts at a reduced cost of **\$8.00 per shirt**, which includes shipping.

Due to the sheer logistics of getting the shirts out to schools, this offer has

strict limitations:

1. We will ship only one order per school.
2. We will not accept individual orders from parents.
3. Only one order per school will be accepted and processed.
4. ALL orders must be shipped to the school address.
5. It is acceptable for a coach to col-

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TMSCA learns of unique donations opportunity

Through the dedicated efforts of one of our former TMSCA participants who is now an employee of Google, TMSCA has learned of a wonderful opportunity for former TMSCA participants and parents of current and former TMSCA participants to give back to our organization. This would be a great opportunity to give back to an organization that provided such enriching and challenging educational opportunities for our academically talented students across the state.

Benevity.org is a non-profit organization that works with many of the top companies in the U.S. and the world to help these organizations provide an outlet for their employees to give back to their community in a more meaningful way. Some of the companies that use the services of Benevity include Nike, Google, Apple, Coca-Cola and over 250 more Fortune 1000 companies. These companies offer programs (tailored to the needs of their own employees) that provide them the opportunity to make donations to other non-profit organizations. Depending on each company's set-up, employees can make either a one-time donation or a monthly dona-

tion to the non-profit of their choice, as long as that organization is registered with and approved by Benevity. One of the greatest benefits of using Benevity to make donations to TMSCA or any organization is that most of the companies that have this benefit for their employees may make a match donation for each employee's contribution. This is up to the individual company. So even a relatively small donation like \$25/month can end up being a significant donation with the matching funds from the company. Donations are deducted from employee paychecks, so there is no hassle in having to write a check on a regular basis.

If you are interested in possibly participating in this type of giving, please contact your employer's Human Resources Department to see if your company participates. They can provide you with the details of your company's program.

All funds received through Benevity will benefit the TMSCA scholarship fund, which awards over \$30,000 in scholarships to the outstanding seniors each year at the TMSCA high school meet.

Members can still order commemorative 2020 T-shirts

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lect individual order forms and money from their students individually and then combine into one order on ONE order form.

6. Orders will be shipped only after complete payment is received in the state office. Please mail the order form and payment to: **TMSCA, P.O. Box 206, Olney, TX 76374.**

7. All orders will be shipped via USPS, again, only to the actual school address and only one shipment per school address.

8. Any orders received that do not comply with the above instructions will have the payment (check) voided and order form disposed of. No notice will be sent of the voided order.

If you would like to order shirts for you or your students, please adhere to the above instructions for your order to be processed. Quantities are limited, so please place your order using the order form ASAP. Orders will be processed in the order in which they were received.

TMSCA works to assist schools in challenging talented students

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free consultation for those schools wishing to host either online or live meets on safe and best practices for both live meet and online meet participation. We are also still offering our three online meets for middle schools, one in the fall, one in the fall/winter and one in the spring. We will also offer our Elementary on-line meets, one in the fall and one in the spring. If the need for additional online meets, especially at the high school level is indicated, TMSCA will consider offering these meets to our membership for participation.

Looking towards the spring, we are taking the optimistic approach and are hoping that the pandemic will be well under control by then and we all can return to a more normal life. This includes a full slate of live meets including qualifying meets for middle schools and state meets for both high school and middle school.

In short, we at TMSCA feel strongly that in this new educational environment, it is more important than ever to offer our member schools ideas about new and innovative ways to challenge our academically talented students. An important part of dealing with this new "world" will be all of us working together and sharing our ideas for successful strategies that you have learned from your individual experiences. Please feel free to do this by contacting the TMSCA state office and share your ideas. You can email the state office at: execsectmsca@gmail.com.

TMSCA Executive Board meets June 6

Call to order: The meeting was called to order at 10:02 a.m. by Vice-President Steve Holmes (Josh was present via Zoom.)

Members present: Josh Newton, President (Zoom); Steve Holmes, President-Elect; Sheri Wooddall, Treasurer; Sammy Wyatt, Middle School Director; Carol Stringfellow, Middle School Director; Wenzon Chuang, High School Director; Tim Orsak, High School Director; Cliff McCurdy, UIL Liaison; Joan Naylor, State Meets Coordinator; Frances Renfro, Bookkeeper; Julie Majewski-Smith, Executive Director; Michelle Randall, Secretary.

A. Action Item: Approval of minutes

- The board reviewed the minutes from the December 14, 2019 Executive Board meeting. Sammy made a motion the minutes be approved as read, and following a second by Sheri, the minutes were approved.

B. Comment: Public Comment - No public comment

C. Reports: Directors and Liaison Reports

1. High School Director Report
- The High School State Meet was cancelled due to COVID-19, so there was no report.

2. Middle School Director Report
- The Middle School State Meet was also cancelled due to COVID-19. Nothing to report.

3. Treasurer Report – Sheri and Frances gave the treasurer’s report, and the board reviewed it. TMSCA’s budget year runs from July 1 – June 30. Not being able to hold the state meets in 2020 caused the following issues/resolutions.

*Due to the State Meets being cancelled, the scholarships shown on the expenses report are for the 2019 state meet. (No scholarships 2020). 2021 scholarships will not be paid until after 7/1/21, so those will appear in 21-22

expenditures.

*Trophy/awards expenses (HS \$2881.95 and MS \$6961.82) were paid in 19-20 budget, but will be credited for 20-21.

*Equipment rental (HS \$128 and MS \$192) was paid in 19-20 budget, but will be credited for 20-21.

*T-shirts. All shirts were paid for, but a credit was given for shirts not printed to be applied to 20-21 T-shirt order. Total amount paid \$9507. Credit \$4029.26.

*Pens were paid for in 19-20 and will be used for 20-21 State Meets (HS \$292.50 and MS \$585)

The expenses were paid in 2019. The credits will come back in 2021.

4. Executive Director Report - Julie reported:

*Test pools have been fairly consistent in past years but could possibly be less this year.

*School memberships have remained fairly consistent for the past 5 years.

*Online meets: some schools take the tests but do not report their results. Julie suggested that schools must post a minimum number of scores (student-wise, maybe top 5) in order for the school to be able to access overall meet results.

*Julie was given approval to negotiate hotel contracts for next year’s state meets. Hotels have been very flexible about letting us out of contracts.

5. State Meets Coordinator Report
- Joan reported that communication has been sparse from UTSA due to virus. There are more questions than answers at the moment.

6. UIL Liaison Report – Cliff gave an update on the HS Science test writers for next year. Almost all are in place. UIL did release the District Test, and they may release the Regional and State Test at a later date. The Sabine and Texas Tech Camps were both cancelled this year. The agenda for the UIL Legislative Council meeting had not yet been set at the time of our meeting. Michelle gave a report on the UIL Legislative Council email she received from David Stevens.

The request to combine UIL Science I and II into one composite test was studied, and a proposal to change the test is going before the academics committee of the Legislative Council on June 16-17. If approved by the academics committee, it will then move to the full council in October. If approved by the Legislative Council and the Commissioner of Education, the rule change will become effective August 1, 2021.

D. Discussion Items:

1. COVID-19 Specific Concerns/Possibilities – Safety Nets for postponements –

*Plan A – a “regular” testing year with various schools holding invitational meets

*Plan B – (hybrid) If no one is traveling **in the fall**, schools could hold invitational meets virtually (online). Schools would compete on their own campus, grade tests and send scores to host school. Host school would compile results and provide trophies, medals, etc.

This plan is for the fall. It will be revisited at the December meeting.

2. More online availability for testing (safety net) – TMSCA will provide guidance for schools hosting online meets.

*Tournament tests will remain \$200.

*TMSCA will offer use of website for tabulation/registrations (can use own as well).

*Encourage schools to offer awards to participants. Maybe consider plaques and ribbons this year.

*Host school would download test and share with coaches at the “virtual” sites. Each school would make copies of the test and compete on the same Saturday at the same time - beginning at 9 a.m. with Number Sense (“normal” meet set up).

*Encourage schools to offer ZOOM among the competing schools to reach a consensus on any grading questions

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Board members discuss ‘must do’ list for proofers

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that might arise.

*Communication will be made in the fall newspaper that this option is available. Training will be made available on website for coaches. TMSCA will also provide grading guidelines in order to maintain consistency.

3. Policies and procedures addressing COVID-related

postponements or cancellations - We have a meet cancellation policy in place but will offer more flexibility to allow schools to reschedule the meet for a later date if it becomes necessary. Once test link is sent out, the meet can be rescheduled and a credit will be issued for payments received, but no money will be refunded.

4. Standardization on how tests are proofed and errors for the test writer are counted for bonus purposes - Each test is assigned a proofer. High School seems to be working okay, but Middle School has become disjointed. It is suggested that guidelines (“must do” list) for proofers be put in place - possibly in a shared folder. The first exchange

should be between proofer and writer if there is a question. Proofer will send a list of errors (not “tweaks”) to Julie at the end of the year.

6. Leftover T-shirts -TMSCA will send an email to coaches who had students who qualified for state and offer them the opportunity to buy a state T-shirt. The cost per shirt will be \$8 (which includes shipping). Shirts will be shipped to schools and not to individuals. Sept. 30 deadline was set.

7. Zoom meeting instead of in person - Board members will have the option of attending a Board meeting via Zoom if needed.

E. Action Item: Calendar - A motion was made by Sammy and seconded by Tim that the 2020-2021 calendar be approved with changes as discussed. MS State Meet will be held on April 24, but as a contingency plan for social distancing, May 1 could be added if necessary. Elementary Online State Meet testing registration will begin April 1. The EL online testing window is April 19 - May 3. Motion was approved.

F. Action Item: Budget - A motion was made by Tim and seconded by Michelle to approve the 2020-2021 budget as presented. Motion carried.

G. Action Item: Benevity Causes Donations - A Benevity Causes account has been set up after a former TMSCA competitor approached Julie about wishing to make a monthly donation. It is a payroll deduction and Google will match, making a \$50 a month donation an actual \$100 a month donation. A motion was made by Sammy to accept donations via electronic fund transfers. After a second by Tim, the motion was approved. Julie will write an information newspaper article encouraging further participation in this donation opportunity.

H. Action Item: Adjournment - At 2:20, Tim made a motion that the Board adjourn. Following a second by Sammy, the meeting was adjourned. The next TMSCA Executive Board meeting will be on Dec. 12 at the Marriott in Dallas.

A synopsis of TMSCA’s 4 contests

Number Sense

Number Sense involves a 10-minute, 80-question mental math test covering all high school mathematics courses. Shortcuts need to be developed and practiced in order to compete and finish the test.

Science

This contest challenges students to do a wide range of reading in biology, chemistry and physics, to gain an understanding of the significance of experiments rather than to recall details, to be alert

to new discoveries and information in the areas of science, to gain an understanding of the basic principles as well as knowledge of the history and philosophy of science, and to foster a sense of enthusiasm about how science affects our lives.

Calculator Applications

This contest includes calculations involving addition, subtraction, multiplication, division, roots, powers, exponential, logarithms, trigonometric functions and inverse trigonometric functions. In addition to straightfor-

ward calculation problems, the contest includes geometric and stated problems similar to those found in algebra, geometry and trigonometry textbooks, previous contests and League materials related to the contest.

Mathematics

This contest is designed to test knowledge and understanding in the areas of algebra I and algebra II, geometry, trigonometry, math analysis, analytic geometry, pre-calculus and elementary calculus.

TMSCA | 2020-2021 TESTING CALENDAR

4 Independence Day

JULY '20						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JANUARY '21						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

09 Gear-Up Testing ends
08-09 UIL A Release
16 HS #7/MS #7
18 M.L. King Day
23 HS #8/MS #8
30 HS #9/MS #9

AUGUST '20

S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY '21

S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

6 HS #10/MS #10
12-13 MS #11/UIL B Release
15 Presidents' Day
20 HS #11/MS #12 (Q1)
27 HS #12/ MS #13 (Q2)

7 Labor Day
21 Kick-Off Reg begins

SEPTEMBER '20

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MARCH '21

S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

06 - HS District Warm-Up
06 HS #13 (UIL D)/ MS #14 (REG)
19 Tune-Up Registration begins
20 HS TMSCA State Meet
22 UIL District start
27 UIL District end

1-13 - Kick-Off testing
12 Columbus Day
17 HS #1/MS #1
24 HS #2/MS #2
18 EL-OL Fall Reg begins
31 HS #3/MS #3

OCTOBER '20

S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL '21

S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

01 Tune-Up Testing begins
01 EL On-Line State Reg Begins
02 Good Friday
04 Easter Sunday
16-17 UIL Regional Meets
19 Tune-Up Testing ends
19 EL On-Line State Testing begins
24 MS State Meet
29-5/1 UIL HS UIL State Meet
30 Possible MS State - 2nd day

2-14 EL-OL Testing
07 HS #4/MS #4
14 HS #5/MS #5
16 Gear-Up Reg begins
26 Thanksgiving Day

NOVEMBER '20

S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY '21

S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

01 Final day - UIL HS State
03 EL-On-Line State Ends
09 Mother's Day
31 Memorial's Day

05 HS #6(UIL C)/MS #6
09 Gear-Up Testing begins
25 Christmas Day

DECEMBER '20

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE '21

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

20 Father's Day

2020-21 Texas Math & Science Coaches Association Membership

Print or type all information. Email membership form to: execsectmsca@gmail.com or mail to TMSCA, PO Box 206, Olney, TX 76374-0206 or fax 940-563-1006.

() School \$50 (pays for four members) () Associate \$15 () Retired, complimentary N/C

If mailing your membership include either a check or a PO number; if emailing or completing an online membership form, enter PO _____

You must designate a PRIMARY CONTACT.

This is the person responsible for maintaining school information in the on-line database and registering students for TMSCA meets through the on-line system.

In addition, duties include receiving email invoices and directing them to appropriate source for payment.

* Indicates information required for processing membership. Email address will be published in the TMSCA directory, but phone numbers remain confidential.

*PRIMARY CONTACT 1 _____ *Contact Phone _____ *Email _____

Additional Coach 2 _____ *Contact Phone _____ *Email _____

Additional Coach 3 _____ *Contact Phone _____ *Email _____

Additional Coach 4 _____ *Contact Phone _____ *Email _____

*School Name _____ *School District _____ *School Phone _____

*School Address _____ *School City _____ *Zip _____ *Fax _____

* Fill in: UIL Classification (1A, 2A, 3A, 4A, 5A, 6A) _____ * UIL Region (I, II, III, IV) _____ UIL District Number _____ OR Non-UIL School _____

Grade Level(s) on your campus: _____ For coaches of junior high/elementary schools, fill in the information on the line below:

***HIGH SCHOOL YOUR STUDENTS SHOULD ATTEND ACCORDING TO YOUR DISTRICT FEEDER PLAN:** _____

(The above information required to determine the classification of your MS/EL school)

Memberships valid from July 1 through June 30 annually. Renewal for the new year must be submitted by 11/30 of each year for continuous membership.

FOR OFFICE USE ONLY – School Tag: _____	
Order Method: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Mail	Delivery Method of Membership Cards: <input type="checkbox"/> USPS <input type="checkbox"/> Email
Date of Delivery: _____	Processed By: _____ Invoiced to: _____ Date: _____

INVOICE #: _____

2020-2021 TMSCA Subscription Order Form

Prices valid through July 1, 2021. Test series that are not listed on this order form are available through the TMSCA State office. Orders for tournament tests should be received by the State office two weeks prior to meet. Tournament tests delivered electronically 7-10 days prior to your meet. **VALID EMAIL ADDRESS REQUIRED FOR DELIVERY.**

TMSCA CONTACT INFO: P.O. BOX 206, OLNEY, TX 76374; PHONE: 940.563.1005; FAX: 940.563.1006; EMAIL:execsectmsca@gmail.com

MEMBERSHIP BY SCHOOL CAMPUS REQUIRED FOR ALL SERVICES FROM TMSCA

PART A HIGH SCHOOL PRACTICE MATERIAL

<u>NUMBER SENSE</u>	Test/Pack	Cost/Pack	Amount
(01) TMSCA 15-16 Series	13	\$35	\$ _____
(02) TMSCA 16-17 Series	14	\$35	\$ _____
(03) TMSCA 17-18 Series	14	\$35	\$ _____
(04) TMSCA 18-19 Series	14	\$35	\$ _____
(05) TMSCA 19-20 Series	14	\$40	\$ _____
(06) TMSCA 20-21 Series	14	\$40	\$ _____

<u>CALCULATOR</u>	Test/Pack	Cost/Pack	Amount
(07) TMSCA 15-16 Series	13	\$35	\$ _____
(08) TMSCA 16-17 Series	14	\$35	\$ _____
(09) TMSCA 17-18 Series	14	\$35	\$ _____
(10) TMSCA 18-19 Series	14	\$35	\$ _____
(11) TMSCA 19-20 Series	14	\$40	\$ _____
(12) TMSCA 20-21 Series	14	\$40	\$ _____

<u>MATHEMATICS</u>	Test/Pack	Cost/Pack	Amount
(13) TMSCA 15-16 Series	13	\$35	\$ _____
(14) TMSCA 16-17 Series	14	\$35	\$ _____
(15) TMSCA 17-18 Series	14	\$35	\$ _____
(16) TMSCA 18-19 Series	14	\$35	\$ _____
(17) TMSCA 19-20 Series	14	\$40	\$ _____
(18) TMSCA 20-21 Series	14	\$40	\$ _____

<u>SCIENCE</u>	Test/Pack	Cost/Pack	Amount
(19) TMSCA 15-16 Series	13	\$35	\$ _____
(20) TMSCA 16-17 Series	14	\$35	\$ _____
(21) TMSCA 17-18 Series	14	\$35	\$ _____
(22) TMSCA 18-19 Series	14	\$35	\$ _____
(23) TMSCA 19-20 Series	14	\$40	\$ _____
(24) TMSCA 20-21 Series	14	\$40	\$ _____

Subtotal Part A \$ _____

PART B TMSCA ANSWER FORMS

(25) TMSCA Scantron Forms (500)	\$45	\$ _____
(26) TMSCA Chatsworth Cards (250)	\$30	\$ _____

Subtotal Part B \$ _____

PART C ELEMENTARY PRACTICE MATERIALS (GR 3-5)

Includes 5 practice tests each of NS/CA/MA/SC

(27) TMSCA Package (15-16)	\$50	\$ _____
(28) TMSCA Package (17-18)	\$50	\$ _____
(29) TMSCA Package (18-19)	\$50	\$ _____
(30) TMSCA Package (19-20)	\$50	\$ _____
(31) TMSCA Package (20-21)	\$50	\$ _____

Subtotal Part C \$ _____

FOR OFFICE USE ONLY

TP LINK _____	COPY/BOOK _____	WEBMASTER _____
TT LINK _____	INVOICED _____	DELIVERED _____

PART D MIDDLE SCHOOL PRACTICE MATERIAL

<u>NUMBER SENSE</u>	Test/Pack	Cost/Pack	Amount
(32) TMSCA 15-16 Series	16	\$35	\$ _____
(33) TMSCA 16-17 Series	15	\$35	\$ _____
(34) TMSCA 17-18 Series	15	\$35	\$ _____
(35) TMSCA 18-19 Series	15	\$35	\$ _____
(36) TMSCA 19-20 Series	15	\$40	\$ _____
(37) TMSCA 20-21 Series	15	\$40	\$ _____

<u>CALCULATOR</u>	Test/Pack	Cost/Pack	Amount
(38) TMSCA 15-16 Series	16	\$35	\$ _____
(39) TMSCA 16-17 Series	15	\$35	\$ _____
(40) TMSCA 17-18 Series	15	\$35	\$ _____
(41) TMSCA 18-19 Series	15	\$35	\$ _____
(42) TMSCA 19-20 Series	15	\$40	\$ _____
(43) TMSCA 20-21 Series	15	\$40	\$ _____

<u>MATHEMATICS</u>	Test/Pack	Cost/Pack	Amount
(44) TMSCA 15-16 Series	16	\$35	\$ _____
(45) TMSCA 16-17 Series	15	\$35	\$ _____
(46) TMSCA 17-18 Series	15	\$35	\$ _____
(47) TMSCA 18-19 Series	15	\$35	\$ _____
(48) TMSCA 19-20 Series	15	\$40	\$ _____
(49) TMSCA 20-21 Series	15	\$40	\$ _____

<u>SCIENCE</u>	Test/Pack	Cost/Pack	Amount
(50) TMSCA 15-16 Series	16	\$35	\$ _____
(51) TMSCA 16-17 Series	15	\$35	\$ _____
(52) TMSCA 17-18 Series	15	\$35	\$ _____
(53) TMSCA 18-19 Series	15	\$35	\$ _____
(54) TMSCA 19-20 Series	15	\$40	\$ _____
(55) TMSCA 20-21 Series	15	\$40	\$ _____

Subtotal Part D \$ _____

PART E 2020-21 TOURNAMENT TESTS

HIGH SCHOOL RELEASE DATES (CIRCLE ONE): 10/17 10/24

10/31 11/7 11/14 12/5 1/16 1/23 1/30 2/6 2/20 2/27 3/6

(56) HS Number Sense Test	\$50	\$ _____
(57) HS Calculator Test	\$50	\$ _____
(58) HS Mathematics Test	\$50	\$ _____
(59) HS Science Test	\$50	\$ _____

MIDDLE SCHOOL RELEASE DATES (CIRCLE ONE): 10/17 10/24

10/31 11/7 11/14 12/5 1/16 1/23 1/30 2/6 2/13 2/20 2/27

(60) MS Number Sense Test	\$50	\$ _____
(61) MS Calculator Test	\$50	\$ _____
(62) MS Mathematics Test	\$50	\$ _____
(63) MS Science Test	\$50	\$ _____

Subtotal Part E \$ _____

TOTAL PARTS A,B,C,D,E \$ _____

NOTE ON DELIVERY METHODS:

All tournament tests are delivered electronically. 20-21 practice materials are posted weekly to a shared folder on Google Drive. All other listed practice materials delivered electronically. Prior years available in hard copy/digital by request.

DELIVERY INFORMATION: (Please print)

School Name: _____ District: _____ CITY: _____
 Sponsor's Name: _____ Email: _____
 PAYMENT INFO: School Check #: _____ P.O.#: _____ Personal Check#: _____

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tmscanews4u@gmail.com

DO NOT USE THIS EMAIL TO ACTUALLY PLACE YOUR ORDER.