

# Texas Math & Science Coaches Association

## Board changes calculator policy for TMSCA contests only

The issue of which calculators are allowed on the high school science test has been around for a very long time. Many of us veteran UIL and TMSCA science coaches can remember a list of “authorized calculators” that UIL maintained. That list had about 20 different models on it, and before each contest, coaches had to check that students were using calculators on the approved list.

As more calculator models became available, it became impossible to maintain a current list of approved calculators. UIL changed its policy to allow all calculators with the provision that the calculators must be cleared before the contest. TMSCA followed UIL’s lead and used the same policy. Again, I am sure that many of you remember going into a science contest, walking around the room and clearing calculators before the contest began.

About six years ago, UIL updated its calculator policy, going back to an approved calculator list consisting of only three models. (They have since expand the list to include a fourth model.) Once again, TMSCA followed their lead and changed our policy as well.

In visiting with the UIL Science contest directors about the calculator policy, one common thread that emerged

**TMSCA HS Science Contest Calculator Policy Change:** Any calculator allowed on the science contest Calculators do not need to be cleared Policy change applies to all TMSCA Contests including the TMSCA State Meet UIL has NOT changed its calculator policy for the science contest

was the concern that new graphing calculators would give students a competitive advantage. They expressed concern about the ability to store equations and other information in graphing calculators. One past contest director was concerned that students could load an entire biology textbook in the calculator and access the information during the contest.

In my role as a science coach and State Contest Director for TMSCA, I have the opportunity to visit with many

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6A Sweepstakes: Fort Settlement Middle School

## Middle School Meet Sweepstakes results

### 1A/2A Sweepstakes

First Place	Olney	2956.48
Second Place	Lindsay	2932.92

### 3A Sweepstakes

First Place	Basis San Antonio	3887.49
Second Place	Sabine	3210.09

### 4A Sweepstakes

First Place	Spring Hill	2894.93
Second Place	Argyle	2655.3

### 5A Sweepstakes

First Place	Flour Bluff	5372.54
Second Place	Cross Timbers	4481.35
Third Place	Pine Tree	4173.72
Fourth Place	Alamo Heights	3519.58
Fifth Place	Wylie West	3406.93
Sixth Place	St. Mark’s	3405.69

### 6A Sweepstakes

First Place	Fort Settlement	5466.53
Second Place	Quail Valley	4740.94
Third Place	Pearland West	4312.45
Fourth Place	Beckendorff	4224.02
Fifth Place	Travis TAG	4084.95
Sixth Place	Village	4030.39

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1A/2A Sweepstakes: Olney Junior High

## Board changes TMSCA calculator policy

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coaches. We sit and talk during the contest at practice meets, District, Regional and State meets. I have heard from many successful coaches about their views on calculators. What I have found is that an overwhelming majority of UIL and TMSCA science coaches do not think that the model of the calculator a student uses will provide a meaningful difference in the outcome of the contest.

Science coaches who attend contests week in and week out agree that if a student relies on information stored in the calculator, that student will not be competitive. The time constraint placed on students to answer 60 questions in two hours is tremendous. We may think two hours is a long time, but try working through a Regional or State test in that amount of time. It is difficult, and students are pressed for time. A student wanting to look up equations or other information during the contest will have a distinct *disadvantage* compared to other contestants.

Therefore, TMSCA will conduct an experiment for the 2022–2023 school year for the high school science contest. We are changing our policy to allow for ANY CALCULATOR during the science contest. Calculators *will not* need to be cleared. This is a departure from the UIL contest rules. TMSCA has always followed UIL's lead when it comes to contests rules; however, we want to make this change because we think it will make the science contest a better contest.

First, students use graphing calculators daily. They use it in their math, chemistry and physics classes. It seems odd not to allow that during a contest. Second, we want to collect data during the 2022–2023 school year and determine whether using graphing calculators will affect the outcome of contests. The process of including or excluding certain calculators have been based on anecdotal evidence. We have not had any data to support our decisions. We hope that this will provide some evidence.

I understand that a change like this may cause confusion for some. I hope that the disruptions will be minimal as we try to improve the science contest.

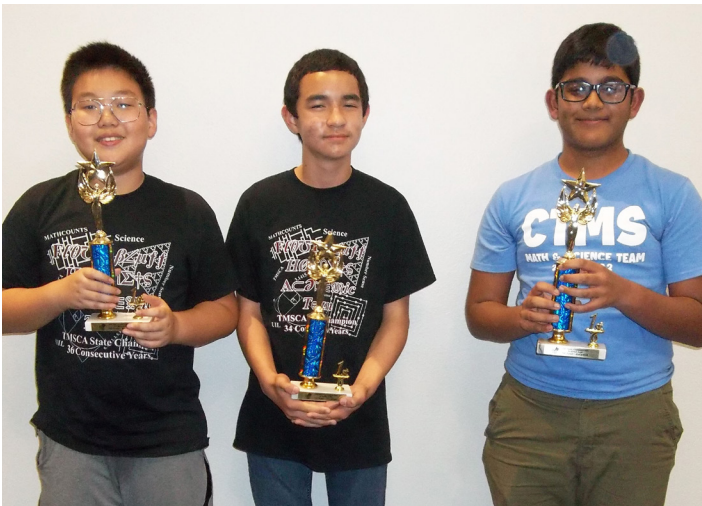




4A Sweepstakes: Spring Hill.



5A Sweepstakes: Flour Bluff.



**5A Number Sense**

6th Grade: Johnlin Feng, Flour Bluff. 7th Grade: Jeffery Cutshall, Flour Bluff. 8th Grade: Piyush Mallick, Cross Timbers.



3A Sweepstakes: Basis San Antonio



**1A/2A Number Sense Team**

Garden City: Tatum Braden, Presley Jost, Jasmine Nunez, Sydnee Gulley, coach Shelly Koening.



**1A/2A Number Sense**

6th Grade: Dalton Miller, Muenster. 7th Grade: Darius Galindo, Ozona. 8th Grade: Jaret Dulock, Lindsay.





#### 5A Number Sense Team

**Flour Bluff:** Jeffery Cutshall, Kaylee Xu, Johnlin Feng, Joey Liu, coach Anthony Gillespey.



#### 6A Number Sense Team

Fort Settlement: K. Chen, C. Weng, C. Yang, S. Chittoor.

## 2022 Middle School Number Sense results announced

### 1A/2A Number Sense

#### 8th Grade

Jaret Dulock, Lindsay [175]; Tatum Braden, Garden City [149]; Presley Jost, Garden City [142]; Jasmine Nunez, Garden City [137]; Ivan McCoy, Muenster [131]; Adrian Gonzalez, Olney [122-T]; Luke Reiter, Lindsay [122-T]; Katelynn Bailey, Olney [121]; Karly Baker, Garden City [109]; Kendall Brandewie, Lindsay [108]; Mercedes Perez, Ozona [101]; Zachary Metzler, Lindsay [99]; Jacqueline Rangel, Seymour [98]; Nicholas Gonzales, Travis [93]; Holley Stiles, Garden City [90]; Kaylee Garcia, Garden City [88]; Eliseo Eufrazio, Rankin [86]; Sydney Miller, Muenster [85]; Alana Sharp, Lindsay [84]; Jeffry Flores, Olney [83].

#### 7th Grade

Darrius Galindo, Ozona [123]; Grace Upham, Ozona [114]; Wyatt Bean, Ozona [107]; Sydnee Gully, Garden City [104]; Sophie Roach, Olney [101]; Avery Davidson, Ozona [99-T]; Ivy Braden, Garden City [99-T]; Prather Parr, Travis [98]; Emma Kate Pribyla, Seymour [89]; Colby Johnson, Olney [88]; Braelyn Casteel, Olney [82]; Darla Castillo, Olney [81]; Foster Sullivan, Olney [80]; Eden Dulock, Lindsay [73]; Kaden Dixon, Travis [70]; Ella Miller, Seymour [67]; Emily Easterling, Garden City [64]; Emily Schaffer, Ozona [62]; Jack Stanford, Rankin [58]; Eleanor Neu, Lindsay [55].

#### 6th Grade

Dalton Miller, Muenster [119]; Jose

Mata, Ozona [99]; Jesiah Talamantes, Garden City [97]; Kaleb Ramon, Ozona [88]; Westley Harris, Ozona [79]; Zachary Wison, Garden City [73]; Mikell Moran, Ozona [72]; Brian Fuhrmann, Lindsay [70]; Mia Webb, Ozona [67-T]; Miles Colunga, Garden City [67-T]; Casey Cole, Travis [63]; Chase Gerick, Rankin [58]; Shaine Grard, Olney [51]; Will Caffey, Olney [49-T]; Rylan Poage, Smyer [49-T]; Blake Plumley, Seymour [43]; Hunter Amthor, Rankin [40]; Dylan Wilson, Travis [37]; Austin Hostetter, Rankin [32-T]; Brynnon Ragain, Seymour [32-T].

### 3A Number Sense

#### 8th Grade

Vedansh Mannem, Basis San Antonio [229]; Pavan Ahluwalia, Harmony School [228]; Garrett Woodall, Sabine [195]; Shawn Tellez, Ponder [163]; Braylen Bush, Atlanta [146]; Boston Rush, Paradise [102]; Adalyn Tyson, Upchurch [99]; Leom Bergara, Ponder [95]; Elijah Barrett, Whitesboro [92]; Jacob Cox, Sabine [84]; Ethan Harper, Atlanta [83]; Santiago Olave, Idea McAllen College Prep [79]; Emma Buckaloo, Callisburg [70-T]; Makenna Hamilton, Upchurch [70-T]; Daylen Hightower, Crane [66]; Araceli Rios, Shallowater [62]; Karson Warren, Abernathy [61-T]; Yrakyya Nard, Atlanta [61-T]; Callie Whittington, Callisburg [60]; Mason Scarbrough, Whitesboro [59].

#### 7th Grade

Prajesh Mishra, Basis San Antonio

[231]; Michael Li, Basis San Antonio [130]; Jeremy Krause, Whitesboro [129]; Abigail Bickham, Upchurch [128]; Gabriella Mendoza, Upchurch [117]; Hayden Hayes, Sabine [101]; Wade Bergt, Atlanta [99]; Gianna Abad, Idea McAllen College Prep [97-T]; Skylar Kysiak, Ponder [97-T]; Cooper Sweeden, Ponder [97-T]; Emma Parish, Whitesboro [89]; Matthew Castillo, Atlanta [87]; Bailey Hairston, Callisburg [86-T]; Jacob Hughes, Whitesboro [86-T]; Carson Saenz, City View [84]; Breanna Hill, Sabine [83]; Emmrie McDaniel, Ponder [82]; Ryland Durmon, Upchurch [80]; Justin Nguyen, Ponder [76]; Thomas Smith, Sabine [75].

#### 6th Grade

Jayden Nevins, Upchurch [127]; Aashvi Patel, Basis San Antonio [122]; Seha Bulathsinghala, Basis San Antonio [109]; Suhas Kundurthi, Basis San Antonio [95]; Lauren Muntz, Whitesboro [91]; Wyatt Weaver, Atlanta [70]; Hayden Anthony, Paradise [67-T]; Landry Blythe, Upchurch [67-T]; Sara Jones, Upchurch [63]; Rocco Bergara, Ponder [58-T]; Thomas Maxwell, Whitesboro [58-T]; Angel Barba, Crane [57-T]; Logan Mundy, Paradise [57-T]; Maryfer Pena, Idea McAllen College Prep [57-T]; Kellen Reneau, Paradise [57-T]; Daniel Rojo, Ore City [55]; Mackenzie Contreras-Garcia, Ponder [52]; Kade Barber, Ore City [48]; Tucker Rojas, Sabine [46]; Easton West, Upchurch [44].

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# 2022 Middle School Number Sense results continued

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## 4A Number Sense

### 8th Grade

Bon Kim, Spring Hill [207]; Seth Crandell, Henderson [102]; Zach Fritz, Argyle [95-T]; Cooper Gill, Argyle [95-T]; Brenden Johnson, Bruce [89]; Wesley Wyatt, Springtown [88]; Brady Kilgore, Sweetwater [86]; Jake Murphy, Argyle [76]; Catherine Cole, Crockett [74]; Jaklynn Jacobs, Crockett [69]; Megan Lajueness, Springtown [66]; Kryssy Shanks, Sweetwater [65]; Danny Yang, Sweetwater [61]; Aruja Misra, Young Women's STEAM [54]; Marco Gottlieb, Franklin Intern'l Exp [53]; Edgar Barrera, Springtown [52]; Halle Hogberg, Henderson [46]; Katelyn Contreras, Liberty [41]; Skylynn Bliss, Andrews [37-T]; Jack Cooper, Spring Hill [37-T].

### 7th Grade

Allen James, Kirby [127]; Camdyn Soto, Sweetwater [92]; Brandon Ferguson, Sweetwater [90]; Rex Dixon, Henderson [86]; Tess Azam, Andrews [72]; Abbie Crawford, Argyle [62]; Sarah Martinez, Crockett [61]; John Doerschuk, Sweetwater [50]; Aiden Pando, Crockett [46-T]; Aniya Patel, Crockett [46-T]; Keila Reyes, Big Spring [46]; Silas Mackey, Spring HJill [42]; Tanusri Mukala, Argyle [37]; Lane Nevill, Spring Hill [36]; Jake Meyer, Argyle [33]; Christian Moctezuma, Franklin Intern'l Exp [32-T]; Brynn Rios, Big Spring [32-T]; Peyton Gee, Sweetwater [30-T]; Viviana Zavala, Liberty [30-T]; Aryan Patel, Crockett [29-T]; Jade Valenzuela, Big Spring [29-T].

### 6th Grade

Noah Wardlaw, Spring Hill [99]; Austin Buck, Burkburnett [98]; Cody Ball, Argyle [86]; Cooper Fears, Henderson [70]; Lincoln Copen, Springtown [67]; Aaron Ball, Argyle [52]; Manuel Carrion, Andrews [47-T]; Carter Wommack, Big Spring [47-T]; Madison Chapman, Argyle [46]; Mynleigh Lagrone, Henderson [45]; Aries Davila, Sweetwater [43]; Avani Limaye, Big Spring [41]; Sophia Vela, Sweetwater [40]; Matthew Low, Spring Hill [39-T]; Harper Robinson, Andrews [39-T]; Sunny Kim, Spring Hill [36]; Ximena Montemayor, Sweetwater [24]; Tyler Butler, Liberty [21]; Nahom Bekele, Franklin Intern'l Exp [19-T]; Turner

Number Sense Teams						
<b>1A/2A Number Sense Teams</b>						
First Place	Garden City	149	142	137	104	532
Second Place	Lindsay	175	122	108	73	478
Third Place	Ozona	123	114	107	101	445
Fourth Place	Olney	122	121	101	88	432
Fifth Place	Muenster	131	119	85	59	394
Sixth Place	Travis	98	93	70	63	324
<b>3A Number Sense Teams</b>						
First Place	Basis					
	San Antonio	231	229	130	122	712
Second Place	Upchurch	128	127	117	99	471
Third Place	Sabine	195	101	84	83	463
Fourth Place	Ponder	163	97	97	95	452
Fifth Place	Atlanta	146	99	87	83	415
Sixth Place	Whitesboro	129	92	91	89	401
<b>4A Number Sense Teams</b>						
First Place	Spring Hill	207	99	42	39	387
Second Place	Argyle	95	95	86	76	352
Third Place	Sweetwater	92	90	86	65	333
Fourth Place	Henderson	102	86	70	46	304
Fifth Place	Springtown	88	67	66	52	273
Sixth Place	Crockett	74	69	61	46	250
<b>5A Number Sense Teams</b>						
First Place	Flour Bluff	359	332	298	283	1272
Second Place	Cross Timbers	332	240	204	179	955
Third Place	Pine Tree	274	215	162	143	794
Fourth Place	Long	228	175	133	99	635
Fifth Place	Hallsville	309	94	90	88	581
Sixth Place	Hutchinson	269	115	82	81	547
<b>6A Number Sense Teams</b>						
First Place	Fort Settlement	325	321	301	251	1198
Second Place	Quail Valley	304	303	287	269	1163
Third Place	Sartartia	296	271	213	179	959
Fourth Place	Travis TAG	346	183	168	160	857
Fifth Place	Beckendorff	293	207	165	158	823
Sixth Place	Village	228	190	172	169	759

Latham, Big Spring [19-T]; Braxton May, Springtown [19-T].

## 5A Number Sense

### 8th Grade

Piyush Mallick, Cross Timbers [332]; Brennen Ashley, Hallsville [309]; Matthew Sprague, Pine Tree [274]; John Minners, Flour Bluff [269]; Mason Evans, Flour Bluff [267]; Reyna Xiao, Flour Bluff [237]; Georgia Stabenow, Long [228]; Andy Le, Alamo Heights [214]; Brice Jiang, Cross Timbers [204]; Jourdan Olaes,

Flour Bluff [197]; Henry Zhu, Highland Park [195]; Benjamin Hu, Cross Timbers [179]; Sreeniketh Chiluveri, Foster [178]; Evey Ilustrisimo, Flour Bluff [177]; Aaron Garcia, Long [175]; Adam Luo, Cross Timbers [162-T]; Emily Willadson, Pine Tree [162-T]; Rachel Kwon, Gray [145]; Riya Sajan, Cross Timbers [144-T]; Kevin Hong, St. Mark's [144-T].

### 7th Grade

Jeffery Cutshall, Flour Bluff [359]; Kaylee Xu, Flour Bluff [332]; Joey Liu, Flour

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