## FIRST Chesapeake District Championship Predictions 2022

FRC Events The Blue Alliance FRC Locks(slow) Slots at event:60

## **Cutoff value**

Points	Probability
42	0.0165
43	0.053
44	0.169
45	0.275
46	0.2365
47	0.068
48	0.074
49	0.0505
50	0.0225
51	0.035

## **Team Probabilities**

rank	Probability of making district championship	Nickname	Extra points needed to have 5% chance of making district championship	Extra points needed to have 50% chance of making district championship	Extra points needed to have 95% chance of making district championship
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1	1.000	<u>836</u>	The RoboBees	0	0	0
2	1.000	2199	Robo-Lions	0	0	0
3	1.000	1885	ILITE Robotics	0	0	0
4	1.000	<u>1629</u>	Garrett Coalition (GaCo)	0	0	0
5	1.000	888	Robotiators	0	0	0
6	1.000	8230	KoiBots #8230	0	0	0
7	1.000	7429	Convergence	0	0	0
8	1.000	<u>686</u>	Bovine Intervention	0	0	0
9	1.000	<u>6802</u>	Mean Caimans	0	0	0
10	1.000	<u>623</u>	Cougar Robotics	0	0	0
11	1.000	<u>620</u>	Warbots	0	0	0
12	1.000	<u>6194</u>	The Aftershocks	0	0	0
13	1.000	<u>5804</u>	TORCH	0	0	0
14	1.000	<u>5724</u>	Spartan Robotics	0	0	0
15	1.000	4472	SuperNOVA	0	0	0
16	1.000	4242	Fresh T.E.C.H.	0	0	0
17	1.000	422	The Mech Tech Dragons	0	0	0
18	1.000	4099	The Falcons	0	0	0
19	1.000	401	Copperhead Robotics	0	0	0
20	1.000	<u>3939</u>	Botetourt 4-H Robotics	0	0	0
21	1.000	384	SPARKY 384	0	0	0
22	1.000	3274	Rocktown Robotics	0	0	0

23	1.000	<u>3136</u>	Official Robotics Constructors of Ashland		0	0
24	1.000	2912	Panther Robotics	0	0	0
25	1.000	2849	Ursa Major	0	0	0
26	1.000	2421	RTR Team Robotics	0	0	0
27	1.000	2363	Triple Helix	0	0	0
28	1.000	2186	Dogs of Steel	0	0	0
29	1.000	<u>1908</u>	ShoreBots	0	0	0
30	1.000	1895	Lambda Corps	0	0	0
31	1.000	1731	Fresta Valley Robotics Club	0	0	0
32	1.000	1719	The Umbrella Corporation	0	0	0
33	1.000	1610	u26f4 Blackwater Robotics u26f4	0	0	0
34	1.000	1599	CircuiTree	0	0	0
35	1.000	1262	the STAGS	0	0	0
36	1.000	122	NASA Knights	0	0	0
37	1.000	1111	Power Hawks Robotics	0	0	0
38	1.000	1086	Blue Cheese	0	0	0
39	0.996	449	The Blair Robot Project	0	1	6
40	0.995	7770	Infinite Voltage	0	0	0
41	0.995	<u>619</u>	Cavalier Robotics	0	0	0
42	0.995	4638	Jagbots	0	0	0

43	0.953	<u>4541</u>	CAVineers	3	5	10
44	0.953	1418	Vae Victis	3	5	10
45	0.927	<u>5549</u>	Gryphon Robotics	4	6	11
46	0.927	1727	REX	4	6	11
47	0.898	2988	RoboGenesis	5	7	12
48	0.861	<u>8726</u>	CryptoHawks	6	8	13
49	0.775	2068	Metal Jackets	8	10	15
50	0.738	2914	TIGER PRIDE	9	11	16
51	0.711	<u>5115</u>	Knight Riders	0	0	4
52	0.708	1123	AIM u26df Robotics	10	12	17
53	0.610	<u>614</u>	Night Hawks	15	17	22
54	0.610	<u>5338</u>	RoboLoCo	15	17	22
55	0.584	4821	cyberUs	17	19	24
56	0.584	2377	C Company	17	19	24
57	0.533	<u>8703</u>	New Squirrels	22	24	29
58	0.471	116	Epsilon Delta	25	27	32
59	0.454	<u>346</u>	RoboHawks	0	0	5
60	0.412	<u>8592</u>	Newton Squared	27	29	34
61	0.389	<u>3748</u>	Ragnarok Robotics	28	30	35
62	0.369	<u>6504</u>	FCHS Jagwires	29	31	36
63	0.369	2534	Lumberjack Robotics	29	31	36
64	0.369	1915	MTHS Firebird Robotics	29	31	36
65	0.352	8514	Junior Squirrels	30	32	37
66	0.352	<u>611</u>	Saxons	30	32	37

67	0.339	<u>5830</u>	LIFE Engineering	31	33	38
68	0.305	8217	Generals Robotics	33	35	40
69	0.305	<u>6863</u>	Squirrels	33	35	40
70	0.305	5841	The Patriots	33	35	40
71	0.305	<u>539</u>	Titan Robotics	33	35	40
72	0.305	2900	The Mighty Penguins	33	35	40
73	0.287	<u>6326</u>	u26a1 Baltimore Bolts u26a1	34	36	41
74	0.199	<u>6239</u>	The Irrational Engineers	38	40	45
75	0.199	<u>5243</u>	Aegis Robotics	38	40	45
76	0.190	4456	Mech Cadets	0	1	6
77	0.142	<u>339</u>	Kilroy Robotics	43	45	50
78	0.142	<u>2961</u>	Crimson Tide Engineers	43	45	50
79	0.055	4286	Imperial Robotics	0	2	7
80	0.007	977	Cometbots	1	3	8
81	0.007	2106	The Junkyard Dogs	1	3	8
82	0.000	8622	The CyBirds	2	4	9
83	0.000	8590	CAVBOTICS	22	24	29
84	0.000	8326	GDS Mighty Hoppers	2	4	9
85	0.000	8197	AirTigers8197	27	29	34
86	0.000	7886	Cadet Robotics	30	32	37
87	0.000	<u>6893</u>	Bladerunners	43	45	50

88	0.000	<u>6882</u>	Fahrenheit Robotics	27	29	34
89	0.000	6213	Team Quantum	26	28	33
90	0.000	<u>6189</u>	Cyber Raiders	27	29	34
91	0.000	<u>617</u>	Enginerds	28	30	35
92	0.000	612	Chantilly Robotics	4	6	11
93	0.000	<u>5954</u>	Portable Chargers	26	28	33
94	0.000	5587	Titan Robotics	4	6	11
95	0.000	5546	u2692ufe0f A.R.T. u2692ufe0f	24	26	31
96	0.000	540	TALON 540	26	28	33
97	0.000	<u>4505</u>	McDonogh Robotics	18	20	25
98	0.000	4464	Team Illusion	36	38	43
99	0.000	<u>3793</u>	CyberTitans	22	24	29
100	0.000	3714	Flowers S.O.A.R.	43	45	50
101	0.000	<u>3389</u>	TEC Tigers	43	45	50
102	0.000	<u>3373</u>	Team RoboHawk	7	9	14
103	0.000	<u>3361</u>	Governators	2	4	9
104	0.000	3359	Royal Robotics	3	5	10
105	0.000	3258	MADAWGS	43	45	50
106	0.000	<u>2998</u>	VikingBots	30	32	37
107	0.000	<u>2890</u>	The Hawk Collective	29	31	36
108	0.000	2537	Space RAIDers	10	12	17

109	0.000	2028	Phantom Robotics	4	6	11
110	0.000	1793	The Aviators	17	19	24
111	0.000	<u>1598</u>	TeamTalon 1598	43	45	50
112	0.000	<u>1522</u>	DOTM - Defenders of the Multiverse : Hanover High School	18	20	25
113	0.000	<u>1389</u>	The Body Electric	15	17	22

## **Cutoff value - extended**

The cutoff values, along with how likely a team at that value is to miss advancing. For example: a line that said (50,.25) would correspond to the probability that team above 50 get in, teams below 50 do not, and 75% of teams ending up with exactly 50 would qualify for the district championship.

Points	Probability
(42,4.77396e-15)	0.0005
(42,7.10543e-15)	0.0005
(42,0.25)	0.0005
(42,0.333333)	0.001
(42,0.5)	0.0005
(42,0.5)	0.006
(42,0.666667)	0.004
(42,0.75)	0.002
(42,0.8)	0.001
(42,0.833333)	0.0005
(43,4.77396e-15)	0.001
(43,7.10543e-15)	0.0085
(43,1.42109e-14)	0.017

(43,0.333333)	0.0035
(43,0.5)	0.015
(43,0.666667)	0.006
(43,0.75)	0.0015
(43,0.8)	0.0005
(44,2.88658e-15)	0.0005
(44,3.55271e-15)	0.0035
(44,4.77396e-15)	0.0065
(44,7.10543e-15)	0.0305
(44,1.42109e-14)	0.035
(44,0.2)	0.0005
(44,0.25)	0.0035
(44,0.333333)	0.012
(44,0.4)	0.001
(44,0.5)	0.0005
(44,0.5)	0.0075
(44,0.5)	0.04
(44,0.571429)	0.0005
(44,0.6)	0.001
(44,0.666667)	0.0205
(44,0.75)	0.0055
(44,0.875)	0.0005
(45,2.88658e-15)	0.0005
(45,3.55271e-15)	0.003
(45,4.77396e-15)	
(45,7.10543e-15)	0.057
(45,1.42109e-14)	0.0765
(45,0.2)	0.001
(45,0.25)	0.006

	0.0225
(45,0.333333)	0.0235
(45,0.4)	0.0015
(45,0.5)	0.006
(45,0.5)	0.0545
(45,0.6)	0.001
(45,0.666667)	0.0215
(45,0.75)	0.005
(45,0.8)	0.0005
(46,2.88658e-15)	0.0005
(46,3.55271e-15)	0.0015
(46,4.77396e-15)	0.0125
(46,7.10543e-15)	0.05
(46,1.42109e-14)	0.0915
(46,0.2)	0.0005
(46,0.25)	0.0035
(46,0.333333)	0.0125
(46,0.5)	0.0015
(46,0.5)	0.0515
(46,0.666667)	0.0085
(46,0.75)	0.0025
(47,3.55271e-15)	0.0005
(47,4.77396e-15)	0.004
(47,7.10543e-15)	0.0115
(47,1.42109e-14)	0.037
(47,0.333333)	0.002
(47,0.5)	0.0005
(47,0.5)	0.009
(47,0.666667)	0.003
(47,0.75)	0.0005

1	
(48,2.88658e-15)	0.0005
(48,3.55271e-15)	0.001
(48,4.77396e-15)	0.006
(48,7.10543e-15)	0.0145
(48,1.42109e-14)	0.03
(48,0.25)	0.0025
(48,0.333333)	0.002
(48,0.5)	0.0005
(48,0.5)	0.014
(48,0.666667)	0.002
(48,0.75)	0.001
(49,4.77396e-15)	0.0025
(49,7.10543e-15)	0.012
(49,1.42109e-14)	0.025
(49,0.25)	0.001
(49,0.333333)	0.002
(49,0.5)	0.0075
(49,0.666667)	0.0005
(50,3.55271e-15)	0.0005
(50,4.77396e-15)	0.002
(50,7.10543e-15)	0.004
(50,1.42109e-14)	0.0115
(50,0.333333)	0.001
(50,0.5)	0.0035
(51,2.33147e-15)	0.0005
(51,2.88658e-15)	0.003
(51,3.55271e-15)	0.0075
(51,4.77396e-15)	0.0085
(51,0.166667)	0.001

(51,0.2)	0.003
(51,0.25)	0.005
(51,0.333333)	0.0005
(51,0.333333)	0.002
(51,0.4)	0.001
(51,0.5)	0.0005
(51,0.6)	0.0005
(51,0.666667)	0.001
(51,0.666667)	0.001