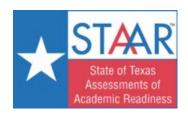
## **State of Texas Assessments of Academic Readiness**



**Raw Score Conversion Table Biology Summer 2017** 

0 1305 1 1861 2 2190 3 2389 4 2534 5 2650 6 2748 7 2832 8 2908 9 2977 10 3040 11 3098 11 3098 11 3 3204 14 3254 15 3301 16 3346 17 3389 18 3432 19 3473 20 3500 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 3 4000 34 4041 35 4081 36 4121 37 4162 38 4294 41 4342 42 4392 43 4445 44 4501 44 4501 44 4501 44 4501 44 4501 44 47 4701 44 48 4783 49 4878 49 49 4878 49	Raw Score	Scale Score		Percentile
1 1861 2 2 2190 3 3 2389 0 0 4 4 2534 5 2650 6 7 48 7 2832 8 2908 9 2977 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0			
3 2389				
4 2534 5 2650 6 2748 7 2832 8 2908 9 2977 10 3040 11 3098 11 313 3204 14 3254 15 3301 16 3346 17 3389 18 3432 19 3473 20 3500 21 3550 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 36 4121 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 49 999 51 51 5132 52 5327	2	2190		0
5	3	2389		0
6	4	2534		0
7 2832 8 2908 9 2977 0 0 0 0 9 2977 0 0 0 10 3040 Did Not Meet 0 11 3098 1 1 12 3153 13 3204 2 2 3153 15 3301 4 4 3254 3 3 3301 4 4 34 3254 3 3 3432 7 3 360	5	2650		0
8 2908 9 2977 0 0 0 10 10 3040 11 3040 11 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	2748		0
9 2977 10 3040 11 3098 11 3098 112 3153 13 3204 14 3254 15 3301 16 3346 17 3389 18 3432 19 3473 20 3500 21 3550 21 3550 21 3550 22 3591 23 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4344 41 4342 41 4342 41 4344 41 4342 42 4392 43 4445 44 4501 48 47 4701 48 4783 49 4878 50 4990 51 51 5132 52 5327 52 5327 59 99	7	2832		0
10 3040 11 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 3098 1 1 1 1 1 3098 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	2908		0
11	9	2977		0
12 3153 13 3204 2 2 14 3254 15 3301 4 4 16 3346 17 3389 6 6 18 3432 7 7 19 3473 9 9 20 3500 21 3550 21 3550 21 3550 22 3591 23 3629 15 24 3667 25 3704 26 3742 27 3779 24 28 3815 29 3852 30 3890 31 3927 36 32 3965 33 4000 34 4001 34 4041 35 4081 35 4081 35 4081 35 4081 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 42 4392 44 44 4501 44 4501 44 47 4701 48 44 4501 44 47 4701 48 48 4783 49 4878 49 4878 49 4878 49 4878 49 4878 50 4990 51 51 5132 55 5327 99 9	10	3040	Did Not Meet	0
13 3204 14 3254 15 3301 16 3346 17 3389 18 3432 19 3473 20 3500 Approaches 2012-2015* 10 21 3550 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4342 41 4344 4501 44 4501 48 4783 49 4878 49 4878 49 4878 49 4878 49 4878 50 4990 51 51 5132 52 5327  Masters 99	11	3098		1
14 3254 15 3301 16 3346 17 3389 6 6 18 3432 7 7 19 3473 20 3500 21 3550 21 3550 22 3591 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 30 3890 31 3927 36 400 33 4000 34 42 34 4041 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 42 4392 43 4445 44 4501 44 4501 45 4576 46 4628 47 4701 48 48 4783 49 4878 49 4878 49 4878 49 4878 49 4878 50 4990 51 51 5132 52 5327 99	12	3153		1
15 3301 4 4 16 3346 5 5 17 3389 6 6 18 3432 7 7 19 3473 9 9 20 3500 Approaches 2012-2015* 10 21 3550 11 22 3591 23 3629 15 24 3667 25 3704 20 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 36 32 3965 33 4000 42 2 3965 33 4000 34 4041 35 4081 36 4121 37 4162 37 4162 37 4162 37 4162 37 4162 42 4392 44 44 4501 45 45 45 45 45 45 45 45 45 45 45 45 45	13	3204		2
16 3346 17 3389 18 3432 19 3473 20 3500 21 3550 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4344 4501 45 4576 46 4628 47 4701 48 4783 49 4878 49 4878 49 4878 49 4878 49 4990 51 5132 52 5327	14	3254		3
17 3389 18 3432 19 3473 20 3500 20 3500 21 3550 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 41 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 49 4878 49 4878 49 4878 49 4990 51 5132 52 5327  Masters  Masters  Masters  9 9 10 11 11 13 29 47 47 10 11 11 13 20 48 4pproaches 2012-2015* 10 11 11 12 20 4pproaches** 22 27 38 4pproaches** 22 27 38 4pproaches** 22 27 30 30 33 33 33 34 4pproaches** 22 4pproaches** 24 4pproaches** 25 4pproaches** 26 4pproaches** 27 29 4pproaches** 29 4pproaches** 4pproac	15	3301		4
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19 3473 20 3500 21 3550 21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 36 32 3965 32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327  Masters  9 Approaches 2012-2015* 10 20 Approaches 2012-2015* 11 11 22 Approaches 2012-2015* 11 13 23 36 20 367 20 40 31 31 3927 36 36 37 40 40 42 42 47 47 47 47 47 47 47 47 47 47 47 47 47	18			
21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 Approaches** 22 27 3779 24 28 3815 29 3852 30 3890 31 3927 36 32 3965 33 4000 42 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 41 4345 44 4501 45 4576 46 4628 47 4701 48 94 48 4783 49 4878 50 4990 51 5132 57 797	19	3473		9
21 3550 22 3591 23 3629 24 3667 25 3704 26 3742 Approaches** 22 27 3779 24 28 3815 29 3852 30 3890 31 3927 36 32 3965 32 3965 33 4000 42 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 94 48 4783 49 4878 50 4990 51 5132 52 5327  Mapproaches** 22 Approaches** 22 Approaches** 24 Approaches** 25 Approaches** 26 Approaches** 27 Approaches** 28 Approaches** 29 Approaches** 20 Approaches** 24 Approaches** 25 Approaches** 26 Approaches** 27 Approaches** 26 Approaches** 27 Approaches** 24 Approaches** 25 Approaches** 26 Approaches** 27 Approaches** 30 Approaches** 40 Approaches** 41 Approaches** 42 Approaches** 40 Approaches** 41 Approaches** 41 Approaches** 42 Approaches** 40 Approaches** 41 Approaches** 41 Approaches** 42 Approaches** 40 Approaches** 41 Approaches** 41 Approaches** 42 Approaches** 41 Approaches** 42 Approaches** 41 Approaches** 42 Approaches** 41 Approaches** 42 Approaches** 43 Appro	20	3500	Approaches 2012-2015*	10
23 3629 24 3667 25 3704 26 3742 Approaches** 22 27 3779 28 3815 29 3852 30 3890 31 3927 36 32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4342 41 4342 41 4344 47 4701 48 4701 48 4783 49 4878 50 4990 51 5132 52 5327  Mapproaches** 20 Approaches** 22 Approaches** 22 Approaches** 24 Approaches** 25 Approaches** 26 Approaches** 27 Approaches** 26 Approaches** 27 Approaches** 24 Approaches** 25 Approaches** 26 Approaches** 27 Approaches** 30 Approaches** 30 Approaches** 30 Approaches** 30 Approaches** 30 Approaches** 31 Approaches** 32 Approaches** 34 Approaches** 36 Approaches** 36 Approaches** 36 Approaches** 36 Approaches** 36 Approaches** 37 Approaches** 36 Approaches** 36 Approaches** 37 Approaches** 36 Approaches** 37 Approaches** 36 Approaches** 37 Approaches** 36 Approaches** 37 Approaches** 36 Approaches** 37 Approaches** 30 Approaches** 31 Approaches** 30 Approaches** 31 Approaches** 30 Approaches** 30 Approaches** 30 Approaches** 31 Approaches** 30 Approaches** 31 Approaches** 31 Approaches** 47 A	21	3550		11
24 3667 25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 36 32 3965 33 4000 42 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327  Mapproaches**  22 27 38 4pproaches** 22 30 30 30 30 3890 33 33 36 37 36 39 400 41 47 47 47 47 47 48 49 49 4878 49 4878 49 4878 49 49 4878 49 49 4878 49 49 4878 49 49 4878 49 49 4878 49 49 4878 49 49 4878 49 49 49 4878 49 49 49 49 49 4878 49 49 49 49 49 49 4878 49 49 49 49 49 49 49 49 49 49 49 49 49	22	3591		13
25 3704 26 3742 27 3779 28 3815 29 3852 30 3890 31 3927 32 3965 32 3965 33 4000 42 34 4041 35 4081 36 4121 37 4162 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 41 4342 41 4345 41 4345 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327  Mapproaches**  22  Approaches**  24  Approaches**  22  Approaches**  24  Approaches**  25  Approaches**  26  Approaches**  27  24  Approaches**  26  Approaches**  27  24  Approaches**  30  33  33  34  40  40  42  47  47  47  47  47  48  49  48  48  48  49  4878  Masters  94  96  51  5132  97	23	3629		15
26       3742       Approaches**       22         27       3779       24         28       3815       27         29       3852       30         30       3890       33         31       3927       36         32       3965       40         33       4000       42         34       4041       47         35       4081       50         36       4121       54         37       4162       57         38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         49       4878       90       96         51       5132       97	24			
27       3779       24         28       3815       27         29       3852       30         30       3890       33         31       3927       36         32       3965       40         33       4000       42         34       4041       47         35       4081       50         36       4121       54         37       4162       57         38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         49       4878       96         51       5132       97         52       5327       99	25	3704		20
27       3779       24         28       3815       27         29       3852       30         30       3890       33         31       3927       36         32       3965       40         33       4000       42         34       4041       47         35       4081       50         36       4121       54         37       4162       57         38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         49       4878       90       96         51       5132       97       99	26	3742	Approaches**	22
29       3852         30       3890         31       3927         32       3965         33       4000         42       47         35       4081         36       4121         37       4162         38       4205         39       4248         40       4294         41       4342         71       68         41       4342         43       4445         44       4501         45       4576         46       4628         47       4701         48       4783         49       4878         50       4990         51       5132         52       5327	27	3779		24
30 3890 31 3927 32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 38 4205 Meets 61 39 4248 40 4294 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327	28	3815		27
31 3927 32 3965 33 4000 33 4000 34 42 34 4041 35 4081 36 4121 37 4162 38 4205 38 4205 39 4248 40 4294 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327	29	3852		30
32 3965 33 4000 34 4041 35 4081 36 4121 37 4162 38 4205 38 4205 40 4294 40 4294 41 4342 41 4342 42 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327	30	3890		33
33 4000 34 4041 35 4081 35 4081 36 4121 37 4162 38 4205 38 4205 40 4294 40 4294 41 4342 41 4342 41 4342 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327  Meets 47 47 47 47 99  Masters 99	31	3927		36
34 4041 35 4081 36 4121 37 4162 38 4205 39 4248 40 4294 41 4342 4392 43 4445 44 4501 45 4576 46 4628 47 4701 48 4783 49 4878 50 4990 51 5132 52 5327	32	3965		40
35 4081 50 36 4121 54 37 4162 57 38 4205 Meets 61 39 4248 68 41 4342 71 42 4392 74 43 4445 78 44 4501 81 45 4576 83 46 4628 477 4701 89 48 4783 92 49 4878 Masters 94 50 4990 51 5132 97 52 5327	33	4000		42
36       4121       54         37       4162       57         38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99	34	4041		47
37       4162       57         38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99	35	4081		50
38       4205       Meets       61         39       4248       64         40       4294       68         41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99	36	4121		54
39	37	4162		57
40       4294         41       4342         42       4392         43       4445         44       4501         45       4576         46       4628         47       4701         48       4783         49       4878         50       4990         51       5132         52       5327	38	4205	Meets	61
41       4342       71         42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99	39	4248		64
42       4392       74         43       4445       78         44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99	40	4294		68
43       4445         44       4501         45       4576         46       4628         47       4701         48       4783         49       4878         50       4990         51       5132         52       5327				
44       4501       81         45       4576       83         46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99				
45 4576 83 46 4628 87 47 4701 89 48 4783 92 49 4878 Masters 94 50 4990 96 51 5132 97 52 5327 99				
46       4628       87         47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99				
47       4701       89         48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99		4576		
48       4783       92         49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99		4628		
49       4878       Masters       94         50       4990       96         51       5132       97         52       5327       99				
50       4990       96         51       5132       97         52       5327       99	48	4783		92
51       5132       97         52       5327       99		4878	Masters	
52 5327 99		4990		96
		5132		
	52	5327		99
	53	5652		100
54 6205 100	54	6205		100

<sup>\*</sup> Approaches 2012-2015 standard applies to students who took their first EOC tests before the December 2015 administration. 
\*\* Approaches standard applies to students who took their first EOC tests on or after the December 2015 administration.