



STATE OF TEXAS ASSESSMENTS OF ACADEMIC READINESS

Summary Report

Biology

All Students

Report Date: SPRING 2024
Date of Testing: SPRING 2024

STATEWIDE PRELIMINARY

Administration Summary	Number	Percent	Number of Students Tested	Average Scale Score	Did Not Meet		Approaches		Meets		Masters		Results for Each Reporting Category											
					1		2		3		4		5		6		7		8		9			
					Cell Structure and Function		Mechanisms of Genetics		Biological Evolution and Classification		Biological Processes and Systems		Interdependence within Environmental Systems											
					Number of Points Possible										10		11		10		10		12	
															Avg. # of Points / % Achieved									
			#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%				
All Students	439226	98	4122	41542	9	397684	91	251733	57	82752	19	4.3	43	5.4	49	5.7	57	5.4	54	6.1	51			
Male	225519	4123	23295	10	202224	90	129863	58	43782	19	4.3	43	5.3	48	5.7	57	5.5	55	6.2	51				
Female	213641	4120	18234	9	195407	91	121841	57	38963	18	4.3	43	5.4	49	5.7	57	5.4	54	6.0	50				
No Information Provided	66	3920	13	20	53	80	29	44	7	11	3.3	33	4.3	39	4.6	46	5.0	50	5.2	43				
Hispanic/Latino	236894	4020	27566	12	209328	88	116641	49	28089	12	3.8	38	4.9	45	5.3	53	5.0	50	5.5	46				
American Indian or Alaska Native	1358	4100	139	10	1219	90	775	57	232	17	4.2	42	5.3	48	5.6	56	5.4	54	6.0	50				
Asian	22093	4624	545	2	21548	98	19370	88	12640	57	6.4	64	7.5	68	7.4	75	7.5	75	8.6	71				
Black or African American	56133	3978	7724	14	48409	86	25051	45	5894	11	3.7	37	4.8	44	5.1	51	4.8	48	5.2	43				
Native Hawaiian or Other Pacific Islander	703	4093	70	10	633	90	396	56	107	15	4.1	41	5.4	49	5.6	56	5.3	53	5.9	49				
White	106708	4312	4113	4	102595	96	80180	75	32337	30	5.0	50	6.1	56	6.5	65	6.2	62	7.3	61				
Two or More Races	11933	4263	670	6	11263	94	8314	70	3267	27	4.8	48	6.0	54	6.3	63	6.0	60	7.0	58				
No Information Provided	3404	3833	715	21	2689	79	1006	30	186	5	3.0	30	4.1	37	4.5	45	4.2	42	4.6	38				
Economically Disadvantaged	<i>Yes</i> 264929	3989	33498	13	231431	87	122150	46	27019	10	3.7	37	4.8	44	5.1	51	4.9	49	5.3	45				
	<i>No</i> 173885	4325	7939	5	165946	95	129463	74	55706	32	5.1	51	6.2	56	6.5	65	6.3	63	7.3	61				
	<i>No Information Provided</i> 412	3812	105	25	307	75	120	29	27	7	3.0	30	4.0	36	4.4	44	4.1	41	4.4	37				
Title I, Part A	<i>Participants</i> 206657	4019	24433	12	182224	88	101155	49	24670	12	3.9	39	4.9	45	5.3	53	5.0	50	5.5	46				
	<i>Nonparticipants</i> 232065	4214	16980	7	215085	93	150426	65	58051	25	4.6	46	5.8	52	6.0	60	5.8	58	6.6	55				
	<i>No Information Provided</i> 504	3809	129	26	375	74	152	30	31	6	3.0	30	3.9	36	4.4	44	4.2	42	4.5	37				
Migrant	<i>Yes</i> 1265	3870	240	19	1025	81	434	34	58	5	3.2	32	4.2	38	4.6	46	4.4	44	4.7	39				
	<i>No</i> 414469	4128	38165	9	376304	91	239773	58	79406	19	4.3	43	5.4	49	5.7	57	5.5	55	6.1	51				
	<i>No Information Provided</i> 23492	4028	3137	13	20355	87	11526	49	3288	14	3.8	38	5.0	46	5.3	53	5.0	50	5.6	46				
Identified as Emergent Bilingual/English Learner	106268	3894	17881	17	88387	83	38342	36	6273	6	3.4	34	4.4	40	4.7	47	4.5	45	4.7	39				
Monitored 1st Year, reclassified from EB/EL	1712	4432	28	2	1684	98	1488	87	668	39	5.7	57	6.7	61	6.8	68	7.0	70	7.9	66				
Monitored 2nd Year, reclassified from EB/EL	999	4352	22	2	977	98	824	82	309	31	5.3	53	6.3	58	6.6	66	6.5	65	7.4	62				
Monitored 3rd Year, reclassified from EB/EL	1628	4373	33	2	1595	98	1332	82	547	34	5.3	53	6.3	57	6.6	66	6.7	67	7.7	64				
Monitored 4th Year, reclassified from EB/EL	4781	4343	90	2	4691	98	3877	81	1408	29	5.2	52	6.2	57	6.6	66	6.6	66	7.5	62				
Former EB/EL (Post Monitoring)	16520	4387	365	2	16155	98	13317	81	5788	35	5.3	53	6.4	59	6.7	67	6.7	67	7.7	64				
Non-Emergent Bilingual/Non-English Learner	305227	4182	22670	7	282557	93	191872	63	67648	22	4.5	45	5.6	51	5.9	59	5.7	57	6.5	54				
No Information Provided	2091	3835	453	22	1638	78	681	33	111	5	3.0	30	4.1	37	4.6	46	4.3	43	4.6	39				
Bilingual	<i>Participants</i> 1253	4126	118	9	1135	91	737	59	229	18	4.3	43	5.3	49	5.7	57	5.6	56	6.0	50				
	<i>Nonparticipants</i> 435095	4124	40718	9	394377	91	250143	57	82379	19	4.3	43	5.4	49	5.7	57	5.5	55	6.1	51				
	<i>No Information Provided</i> 2878	3810	706	25	2172	75	853	30	144	5	3.0	30	4.0	36	4.4	44	4.2	42	4.5	37				
ESL	<i>Participants</i> 81705	3892	14016	17	67689	83	29315	36	4947	6	3.4	34	4.4	40	4.7	47	4.5	45	4.7	39				
	<i>Nonparticipants</i> 355106	4177	26984	8	328122	92	221652	62	77674	22	4.5	45	5.6	51	5.9	59	5.7	57	6.4	54				
	<i>No Information Provided</i> 2415	3830	542	22	1873	78	766	32	131	5	3.0	30	4.1	37	4.5	45	4.3	43	4.6	38				
Special Education	<i>Yes</i> 48699	3772	12420	26	36279	74	10886	22	1772	4	2.9	29	3.9	35	4.1	41	3.8	38	4.1	34				
	<i>No</i> 388179	4168	28571	7	359608	93	240144	62	80871	21	4.4	44	5.6	50	5.9	59	5.7	57	6.4	53				
	<i>No Information Provided</i> 2348	3819	551	23	1797	77	703	30	109	5	3.0	30	4.0	37	4.4	44	4.2	42	4.5	37				
Section 504	<i>Yes</i> 46655	4084	4200	9	42455	91	25643	55	7156	15	4.0	40	5.2	47	5.6	56	5.2	52	6.0	50				
	<i>No</i> 389639	4129	36591	9	353048	91	225294	58	75477	19	4.3	43	5.4	49	5.7	57	5.5	55	6.1	51				
	<i>No Information Provided</i> 2932	3792	751	26	2181	74	796	27	119	4	2.9	29	3.9	35	4.3	43	4.1	41	4.3	36				
Gifted/Talented	<i>Participants</i> 42675	4667	224	1	42451	99	40036	94	25636	60	6.5	65	7.5	69	7.6	76	7.7	77	9.1	76				
	<i>Nonparticipants</i> 395799	4064	41122	10	354677	90	211486	53	57078	14	4.0	40	5.1	47	5.5	55	5.2	52	5.8	48				
	<i>No Information Provided</i> 752	3804	196	26	556	74	211	28	38	5	3.0	30	3.9	36	4.4	44	4.2	42	4.4	37				
At-Risk	<i>Yes</i> 246177	3907	36669	15	209508	85	92967	38	13775	6	3.4	34	4.5	40	4.8	48	4.5	45	4.9	40				
	<i>No</i> 192520	4397	4755	2	187765	98	158600	82	68946	36	5.4	54	6.5	59	6.8	68	6.7	67	7.7	64				
	<i>No Information Provided</i> 529	3837	118	22	411	78	166	31	31	6	3.1	31	4.1	37	4.5	45	4.3	43	4.6	38				



STATE OF TEXAS ASSESSMENTS OF ACADEMIC READINESS
Summary Report
Biology
First-Time Tested Students

Report Date: SPRING 2024
Date of Testing: SPRING 2024

STATEWIDE PRELIMINARY

Administration Summary			Number of Students Tested	Average Scale Score	Did Not Meet				Approaches				Meets				Masters				Results for Each Reporting Category												
																					Number		Percent	1		2		3		4		5	
																					Cell Structure and Function	Mechanisms of Genetics	Biological Evolution and Classification	Biological Processes and Systems	Interdependence within Environmental Systems								
																					Number of Points Possible												
			10		11		10		10		12																						
Avg. # of Points / % Achieved																																	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%														
All Students			422399	4143	34580	8	387819	92	251204	59	82698	20	4.3	43	5.4	50	5.8	58	5.5	55	6.2	52											
Male			215802	4148	19057	9	196745	91	129546	60	43759	20	4.4	44	5.4	49	5.8	58	5.6	56	6.3	53											
Female			206532	4139	15510	8	191022	92	121630	59	38932	19	4.3	43	5.5	50	5.7	57	5.5	55	6.1	51											
No Information Provided			65	3916	13	20	52	80	28	43	7	11	3.3	33	4.3	39	4.6	46	5.0	50	5.1	43											
Hispanic/Latino			225192	4043	22852	10	202340	90	116307	52	28056	12	3.9	39	5.0	46	5.4	54	5.1	51	5.7	47											
American Indian or Alaska Native			1308	4118	118	9	1190	91	773	59	232	18	4.3	43	5.4	49	5.7	57	5.4	54	6.1	51											
Asian			21804	4638	422	2	21382	98	19343	89	12630	58	6.5	65	7.5	68	7.4	74	7.6	76	8.6	72											
Black or African American			52976	4004	6308	12	46668	88	24955	47	5890	11	3.8	38	4.9	45	5.2	52	4.9	49	5.4	45											
Native Hawaiian or Other Pacific Islander			682	4110	60	9	622	91	396	58	107	16	4.2	42	5.4	49	5.6	56	5.4	54	6.0	50											
White			105723	4319	3716	4	102007	96	80134	76	32331	31	5.0	50	6.2	56	6.6	66	6.3	63	7.3	61											
Two or More Races			11729	4274	579	5	11150	95	8305	71	3267	28	4.8	48	6.0	55	6.3	63	6.1	61	7.0	59											
No Information Provided			2985	3870	525	18	2460	82	991	33	185	6	3.1	31	4.2	39	4.7	47	4.4	44	4.8	40											
Economically Disadvantaged			<i>Yes</i> <i>No</i> <i>No Information Provided</i>	251143 170849 407	4011 4338 3812	27834 6643 103	11 4 25	223309 164206 304	89 96 75	121727 129359 118	48 76 29	26973 55698 27	11 33 7	3.8 5.1 3.0	38 51 30	4.9 6.3 4.0	44 57 36	5.2 6.5 4.4	52 65 44	5.0 6.4 4.1	50 64 41	5.5 7.3 4.4	46 61 37										
Title I, Part A			<i>Participants</i> <i>Nonparticipants</i> <i>No Information Provided</i>	195815 226086 498	4043 4231 3811	19973 14480 127	10 6 26	175842 211606 371	90 94 74	100777 150276 151	51 66 30	24624 58043 31	13 26 6	3.9 4.7 3.0	39 47 30	5.0 5.0 4.0	45 53 36	5.4 6.1 4.4	54 61 44	5.1 5.9 4.2	51 59 42	5.7 6.7 4.5	47 56 37										
Migrant			<i>Yes</i> <i>No</i> <i>No Information Provided</i>	1162 399211 22026	3898 4149 4059	193 31917 2470	17 8 11	969 367294 19556	83 92 89	434 239293 11477	37 60 52	58 79355 3285	5 20 15	3.3 4.4 3.9	33 44 39	4.3 5.5 5.1	39 50 47	4.7 5.8 5.5	47 58 55	4.5 5.6 5.2	45 56 52	4.9 6.3 5.7	41 52 48										
Identified as Emergent Bilingual/English Learner			97457	3921	14297	15	83160	85	38048	39	6229	6	3.5	35	4.5	41	4.8	48	4.6	46	4.9	41											
Monitored 1st Year, reclassified from EB/EL			1710	4434	27	2	1683	98	1488	87	668	39	5.7	57	6.7	61	6.8	68	7.0	70	7.9	66											
Monitored 2nd Year, reclassified from EB/EL			995	4355	21	2	974	98	824	83	309	31	5.4	54	6.4	58	6.6	66	6.5	65	7.5	62											
Monitored 3rd Year, reclassified from EB/EL			1613	4380	31	2	1582	98	1332	83	547	34	5.3	53	6.4	58	6.7	67	6.8	68	7.7	64											
Monitored 4th Year, reclassified from EB/EL			4756	4347	80	2	4676	98	3876	81	1408	30	5.2	52	6.2	57	6.6	66	6.6	66	7.5	62											
Former EB/EL (Post Monitoring)			16300	4398	292	2	16008	98	13308	82	5788	36	5.4	54	6.5	59	6.7	67	6.7	67	7.7	64											
Non-Emergent Bilingual/Non-English Learner			297699	4197	19490	7	278209	93	191655	64	67639	23	4.5	45	5.7	52	6.0	60	5.7	57	6.6	55											
No Information Provided			1869	3880	342	18	1527	82	673	36	110	6	3.1	31	4.2	38	4.8	48	4.5	45	4.9	40											
Bilingual			<i>Participants</i> <i>Nonparticipants</i> <i>No Information Provided</i>	1225 418658 2516	4138 4145 3853	108 33948 524	9 8 21	1117 384710 1992	91 92 79	736 249631 837	60 60 33	229 82327 142	19 20 6	4.4 4.3 3.1	44 43 31	5.4 5.5 4.1	49 50 37	5.8 5.8 4.6	58 58 46	5.6 5.5 4.3	56 55 43	6.1 6.2 4.7	51 52 39										
ESL			<i>Participants</i> <i>Nonparticipants</i> <i>No Information Provided</i>	74614 345621 2164	3921 4193 3873	11129 23038 413	15 7 19	63485 322583 1751	85 93 81	29071 221376 757	39 64 35	4911 77656 131	7 22 6	3.5 4.5 3.1	35 45 31	4.5 5.7 4.2	41 51 38	4.8 6.0 4.7	48 60 47	4.6 5.7 4.4	46 57 44	4.9 6.5 4.8	41 54 40										
Special Education			<i>Yes</i> <i>No</i> <i>No Information Provided</i>	45845 374465 2089	3786 4189 3855	11040 23111 429	24 6 21	34805 351354 1660	76 94 79	10844 239668 692	24 64 33	1769 80821 108	4 22 5	3.0 4.5 3.1	30 45 31	3.9 5.6 4.1	36 51 38	4.2 6.0 4.6	42 60 46	3.9 5.7 4.4	39 57 44	4.2 6.5 4.7	35 54 39										
Section 504			<i>Yes</i> <i>No</i> <i>No Information Provided</i>	44789 375046 2564	4106 4150 3831	3397 30610 573	8 8 22	41392 344436 1991	92 92 78	25588 224836 780	57 60 30	7154 75427 117	16 20 5	4.1 4.4 3.0	41 44 30	5.3 5.5 4.0	48 50 37	5.7 5.8 4.5	57 58 45	5.3 5.6 4.2	53 56 42	6.1 6.3 4.5	51 52 38										
Gifted/Talented			<i>Participants</i> <i>Nonparticipants</i> <i>No Information Provided</i>	42595 379094 710	4669 4085 3822	197 34210 173	0 9 24	42398 344884 537	100 91 76	40032 210965 207	94 56 29	25635 57026 37	60 15 5	6.5 4.1 3.0	65 41 30	7.6 5.2 4.0	69 47 36	7.7 5.6 4.4	77 56 44	7.7 5.3 4.2	77 53 42	9.1 5.9 4.5	76 49 37										
At-Risk			<i>Yes</i> <i>No</i> <i>No Information Provided</i>	230359 191514 526	3929 4401 3840	30118 4347 115	13 2 22	200241 187167 411	87 98 78	92470 158568 166	40 83 32	13723 68944 31	6 36 6	3.5 5.4 3.1	35 54 31	4.5 6.5 4.1	41 59 37	4.9 6.8 4.5	49 68 45	4.6 6.7 4.3	46 67 43	5.0 7.7 4.6	42 64 38										



STATE OF TEXAS ASSESSMENTS OF ACADEMIC READINESS

Summary Report

Biology

Retested Students

Report Date: SPRING 2024
Date of Testing: SPRING 2024

STATEWIDE PRELIMINARY

Administration Summary			Results for Each Reporting Category																			
			Number of Students Tested	Average Scale Score	Did Not Meet		Approaches		Meets		Masters		1		2		3		4		5	
					#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
					Number of Points Possible										Avg. # of Points / % Achieved							
Legend			10		11		10		10		12											
--- = No Data Reported For Fewer Than Five Students			10		11		10		10		12											
Students Tested	16827	88									2.2	22	3.1	29	3.2	32	3.1	31	3.0	25		
Students Not Tested																						
Absent	1844	10																				
Other	553	3																				
Total Documents Submitted	19224	100																				
All Students			16827	3580	6962	41	9865	59	529	3	54	0	2.2	22	3.1	29	3.2	32	3.1	31	3.0	25
Male			9717	3571	4238	44	5479	56	317	3	23	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
Female			7109	3593	2724	38	4385	62	211	3	31	0	2.2	22	3.2	29	3.3	33	3.2	32	2.9	25
No Information Provided			1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hispanic/Latino			11702	3587	4714	40	6988	60	334	3	33	0	2.2	22	3.2	29	3.2	32	3.1	31	3.0	25
American Indian or Alaska Native			50	3623	21	42	29	58	2	4	0	0	2.5	25	3.1	28	3.2	32	3.5	35	3.1	26
Asian			289	3623	123	43	166	57	27	9	10	3	2.7	27	3.3	30	3.4	34	3.3	33	3.1	26
Black or African American			3157	3549	1416	45	1741	55	96	3	4	0	2.2	22	3.1	28	3.1	31	3.1	31	2.9	24
Native Hawaiian or Other Pacific Islander			21	3555	10	48	11	52	0	0	0	0	2.2	22	3.3	30	2.7	27	2.9	29	2.8	23
White			985	3583	397	40	588	60	46	5	6	1	2.3	23	3.1	29	3.3	33	3.2	32	3.1	26
Two or More Races			204	3587	91	45	113	55	9	4	0	0	2.2	22	3.1	28	3.3	33	3.2	32	3.0	25
No Information Provided			419	3571	190	45	229	55	15	4	1	0	2.3	23	3.1	28	3.2	32	3.0	30	3.0	25
Economically Disadvantaged																						
Yes			13786	3581	5664	41	8122	59	423	3	46	0	2.3	23	3.2	29	3.2	32	3.1	31	2.9	25
No			3036	3574	1296	43	1740	57	104	3	8	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
No Information Provided			5	3838	2	40	3	60	2	40	0	0	3.2	32	3.4	31	4.4	44	4.2	42	5.2	43
Title I, Part A																						
Participants			10842	3585	4460	41	6382	59	378	3	46	0	2.3	23	3.2	29	3.2	32	3.2	32	3.0	25
Nonparticipants			5979	3571	2500	42	3479	58	150	3	8	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
No Information Provided			6	3708	2	33	4	67	1	17	0	0	2.8	28	3.3	30	3.5	35	3.8	38	4.0	33
Migrant																						
Yes			103	3560	47	46	56	54	0	0	0	0	2.1	21	2.9	26	3.2	32	3.2	32	2.7	23
No			15258	3582	6248	41	9010	59	480	3	51	0	2.2	22	3.2	29	3.2	32	3.1	31	3.0	25
No Information Provided			1466	3561	667	45	799	55	49	3	3	0	2.2	22	3.1	28	3.1	31	3.1	31	2.9	24
Identified as Emergent Bilingual/English Learner			8811	3592	3584	41	5227	59	294	3	44	0	2.3	23	3.2	29	3.2	32	3.2	32	2.9	24
Monitored 1st Year, reclassified from EB/EL			2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitored 2nd Year, reclassified from EB/EL			4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitored 3rd Year, reclassified from EB/EL			15	3618	2	13	13	87	0	0	0	0	2.1	21	3.2	29	3.8	38	2.4	24	3.7	31
Monitored 4th Year, reclassified from EB/EL			25	3597	10	40	15	60	1	4	0	0	2.3	23	3.0	27	3.2	32	3.1	31	3.2	27
Former EB/EL (Post Monitoring)			220	3644	73	33	147	67	9	4	0	0	2.2	22	3.2	29	3.5	35	3.4	34	3.6	30
Non-Emergent Bilingual/Non-English Learner			7528	3568	3180	42	4348	58	217	3	9	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
No Information Provided			222	3459	111	50	111	50	8	4	1	0	2.0	20	2.8	25	2.8	28	3.0	30	2.8	23
Bilingual																						
Participants			28	3592	10	36	18	64	1	4	0	0	1.7	17	3.5	32	3.3	33	3.2	32	3.1	26
Nonparticipants			16437	3582	6770	41	9667	59	512	3	52	0	2.2	22	3.2	29	3.2	32	3.1	31	3.0	25
No Information Provided			362	3508	182	50	180	50	16	4	2	1	2.1	21	2.9	26	3.0	30	3.1	31	2.9	24
ESL																						
Participants			7091	3593	2887	41	4204	59	244	3	36	1	2.3	23	3.2	29	3.2	32	3.2	32	2.9	24
Nonparticipants			9485	3574	3946	42	5539	58	276	3	18	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
No Information Provided			251	3461	129	51	122	49	9	4	0	0	2.0	20	2.7	25	2.8	28	3.0	30	2.7	23
Special Education																						
Yes			2854	3541	1380	48	1474	52	42	1	3	0	2.2	22	3.0	27	3.0	30	3.0	30	2.8	23
No			13714	3589	5460	40	8254	60	476	3	50	0	2.2	22	3.2	29	3.3	33	3.2	32	3.0	25
No Information Provided			259	3535	122	47	137	53	11	4	1	0	2.1	21	3.0	28	3.0	30	3.2	32	2.8	24
Section 504																						
Yes			1866	3573	803	43	1063	57	55	3	2	0	2.2	22	3.1	28	3.2	32	3.1	31	3.0	25
No			14593	3583	5981	41	8612	59	458	3	50	0	2.3	23	3.2	29	3.2	32	3.1	31	3.0	25
No Information Provided			368	3522	178	48	190	52	16	4	2	1	2.1	21	2.9	27	3.0	30	3.1	31	2.9	24
Gifted/Talented																						
Participants			80	3579	27	34	53	66	4	5	1	1	1.9	19	3.1	28	3.7	37	3.1	31	3.4	28
Nonparticipants			16705	3580	6912	41	9793	59	521	3	52	0	2.2	22	3.1	29	3.2	32	3.1	31	3.0	25
No Information Provided			42	3516	23	55	19	45	4	10	1	2	2.3	23	3.0	27	3.1	31	3.2	32	3.2	26
At-Risk																						
Yes			15818	3580	6551	41	9267	59	497	3	52	0	2.2	22	3.1	29	3.2	32	3.1	31	3.0	25
No			1006	3583	408	41	598	59	32	3	2	0	2.2	22	3.2	29	3.2	32	3.1	31	3.0	25
No Information Provided			3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---