

1931.
NEW ZEALAND.

E D U C A T I O N : MANUAL AND TECHNICAL EDUCATION.

[In continuation of E.—5, 1930.]

Presented to both Houses of the General Assembly by Command of His Excellency.

CONTENTS.

	PAGE
1. Report of Superintendent of Technical Education	2
2. Tables relating to Manual and Technical Instruction :—	
<i>Section A : Tables relating to Technical High Schools and Technical Day Schools (Full-time Courses)—</i>	
J 1.—Average Attendance, Roll Numbers, and Number of Government Free-place Holders and Pupils living away from Home	4
J 2.—Classification of Pupils on the Roll at 1st July, 1930, according to Year of Attendance ..	4
J 2A.—Classification of Full-time Pupils holding Government Free Places on the Roll of Technical High, and Technical Day Schools at 1st July, 1930, according to Year of Attendance ..	4
J 3.—Classification of Pupils on the Roll at 1st July, 1930, according to Courses of Instruction ..	5
J 4.—Classification of Pupils on the Roll at 1st July, 1930, according to Ages	5
J 5.—Number of Pupils who commenced their Post-primary Education in 1930, according to Age at Date of Admission	5
J 6.—Destination of Full-time Pupils who left the Technical High or Day School during or at the End of 1930	5
<i>Section B : Tables relating to Technical Classes held in the Evening or in connection with Part-time Day Courses—</i>	
J 7.—Classification of Students on the Roll at 1st July, 1930, according to Occupations	6
J 8.—Classification of Students on the Roll at 1st July, 1930, according to Ages	6
J 9.—Free Pupils (according to Years of Attendance) and other Students on Roll at 1st July, 1930	6
J 9A.—Classification of Students holding Government Free Places in Attendance at Evening Technical Classes and Part-time Day Classes according to Year of Attendance	6
<i>Section C : Tables relating to all Technical and Technical High and Day School Classes (Full-time, Part-time, and Evening Courses)—</i>	
J 10.—Table showing Combined Roll Numbers at Day and Evening Classes at 1st July, 1930	7
J 11 (a).—Receipts by Controlling Authorities for Year ended 31st December, 1930	8
J 11 (b).—Payments by Controlling Authorities for Year ended 31st December, 1930	9
<i>Section D : Tables relating to Manual Instruction in connection with Primary Schools—</i>	
J 12.—Statement of Receipts and Payments by Education Boards for Year ended 31st December, 1930, in respect of Classes for Manual Instruction and Elementary Handwork	10
J 13.—Some Particulars relating to Pupils attending Special Manual-training Centres during Year ended 31st December, 1930	11
<i>Section E : General Summary relating to all Classes (Manual and Technical)—</i>	
J 14.—Some Particulars relating to Manual and Technical Instruction	12

1. ANNUAL REPORT OF THE SUPERINTENDENT OF TECHNICAL EDUCATION.

Wellington, 15th June, 1930.

SIR,—

I have the honour to present the report for the year 1930.

The total number of students in part-time day and evening classes was 11,829, of whom 5,994 held junior or senior free places and 5,835 paid fees. Of the total number, 1,210 had been attending primary schools in the previous year. From Table J 8 appended to this report it will be seen that 6,711 students, being 56·7 per cent. of the total, were seventeen years of age or over, while 1,171, or 9·9 per cent., were under fifteen years of age. Of this 9·9 per cent., however, a considerable number, probably at least one-third, were part-time day pupils included among the 1,305 persons of “no occupation” as given in Table J 7 appended to this report.

Tables A and B below give some indication of the way in which attendance at technical schools has changed in recent years.

TABLE A.—NUMBER OF STUDENTS, ACCORDING TO AGES, ADMITTED TO CLASSES AT TECHNICAL SCHOOLS OTHER THAN TECHNICAL HIGH-SCHOOL CLASSES; ALSO PRIMARY SCHOOL “LEAVERS” JOINING TECHNICAL SCHOOLS IN THE NEXT YEAR.

Year.	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)
	Under 13 Years of Age.		13–15 Years of Age.		15–17 Years of Age.		Over 17 Years of Age.		Totals.		Students admitted who left a Primary School in the Previous Year.		First-year Junior Free Place Pupils in Technical High Schools.		Totals of Columns Six and Seven.		Totals of Columns Six and Seven
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both Sexes.
1926 ..	170	205	937	728	2,685	1,375	3,979	2,602	7,771	4,910	1,037	616	1,960	1,631	2,997	2,247	5,244
1927 ..	85	68	783	569	2,701	1,462	4,346	2,394	7,915	4,493	857	637	1,846	1,576	2,703	2,213	4,916
1928 ..	59	70	604	516	2,205	1,302	4,138	2,069	7,006	3,957	700	472	2,023	1,663	2,723	2,135	4,858
1929 ..	51	56	621	577	2,342	1,354	4,093	2,093	7,107	4,080	853	591	2,127	1,749	2,980	2,340	5,320
1930 ..	32	45	613	481	2,545	1,402	4,564	2,147	7,754	4,075	791	419	2,387	1,941	3,078	2,360	5,438

NOTE.—The 1928 and 1929 figures show roll at the 30th June in each year.

TABLE B.—STUDENTS IN TECHNICAL CLASSES: NUMBERS ATTENDING FROM CERTAIN GROUPS OF OCCUPATIONS.

Year.	Commercial, &c.					Engineering and Building.						Total, Industrial and Commercial.	Professional.
	Clerical.	Shop and Warehouse.	Dressmaking, Millinery, Tailors, and Tailoresses, &c.	Printers, &c.	Total.	Engineers and Mechanics.	Electricians.	Plumbers and Metalworkers.	Woodworkers.	Painters and Plasterers, &c.	Total.		
1926 ..	2,513	1,016	197	147	3,873	812	488	811	905	190	3,206	7,079	800
1927 ..	2,573	1,063	198	188	4,022	979	444	828	971	193	3,415	7,437	676
1928 ..	2,253	1,090	154	175	3,672	912	375	740	825	218	3,070	6,742	650
1929 ..	2,303	1,165	194	131	3,793	885	302	826	762	246	3,021	6,814	625
1930 ..	2,456	1,249	193	154	4,052	1,180	331	774	919	287	3,491	7,543	614

NOTE.—The 1928 and 1929 figures show roll at the 30th June in each year; the 1930 figures are the roll at 1st July

The enrolment at technical high schools and technical day schools of full-time pupils taking courses under the Regulations for Manual and Technical Instruction was 8,002 at the 1st July, 1930, as compared with 7,536 at the corresponding date in the previous year. The enrolment of 8,002 consisted of 4,395 boys and 3,607 girls. Of the boys 2,278 took industrial courses, 445 agriculture, 837 commercial work, 693 a general course, and 142 an art course. Of the girls 1,142 took the domestic course, 1,944 the commercial, 262 the general, and 259 the art course.

Buildings and equipment have been maintained in good order and condition throughout the year and some necessary additions to buildings have been made.

The question of additional accommodation has become more urgent during the year, the increase of day pupils being 6·2 per cent. on the roll of the previous year. Owing to difficulties of finance, it has been impossible to provide for more than the most urgent cases, and some developments of considerable importance have necessarily been postponed.

The character and quality of the instruction in technical schools and technical high schools is gradually improving, with the gradual improvement in the strength of staffing; but there is little visible alteration from year to year, and the report last year applies substantially to the conditions of the year at present under review.

An increase in the number of pupils receiving instruction in woodwork, metalwork, and domestic subjects under special instructors at manual-training centres has again to be recorded, the number for 1930 being 46,557, as compared with 45,493 for the previous year. Included in this total are 6,221 primary and secondary pupils from junior and senior high schools. Where possible, opportunity is given for attendance at the centres of pupils from private schools, and during the year some 3,822 boys and girls from such schools were so provided for. Instruction in advanced nature-study and elementary agriculture, involving practical work in school gardens and experimental plots, was taken by 49,698 pupils of Standard IV and upwards in primary and district high schools. Instruction in other science subjects, such as dairy science, physics, and chemistry, was given to secondary pupils of district high schools and also to 5,318 primary pupils of such schools as had no facilities for training in elementary agriculture. For the purpose of capitation grants all of this science work, which is conducted under the supervision of the special instructors, is classed under the general head of "Manual Training."

For the conduct of instruction in the manual-training subjects, 159 classified specialist instructors were employed by the various Education Boards. In these numbers there has been an increase of five. Included in the total are twenty-three instructors engaged in the supervision of the teaching of nature-study, elementary agriculture, and science generally; in this number there has been no change for some years past. In some of the technical schools where appropriate workrooms are not fully engaged throughout the day, manual-training classes in woodwork, metalwork, and domestic subjects are accommodated, and the services of forty-one teachers on the full-time staffs of such schools were so made use of for varying periods during the year. In only three centres were part-time instructors employed for ordinary manual-training subjects, but 518 local part-time teachers were engaged in needlework instruction in small schools which had no women teachers on the staff.

At the August Examination for the Handicraft Teachers' Certificate there were twenty-five candidates. Of this number, seven obtained passes in Section I, three obtained passes in Section II, and one obtained a partial pass; one obtained a partial pass in Section III; three candidates passed the whole examination, while seven failed. The issue of this certificate was first provided for in 1925, and the full examination has now been passed by six teachers.

I have, &c.,

W. S. LA TROBE,

Superintendent of Technical Education.

The Director of Education.

2. DETAILED TABLES RELATING TO MANUAL AND TECHNICAL INSTRUCTION.

SECTION A.—FULL-TIME PUPILS.

TABLE J 1.—TECHNICAL HIGH SCHOOLS AND TECHNICAL DAY SCHOOLS: AVERAGE ATTENDANCE, ROLL NUMBERS, AND NUMBER OF GOVERNMENT FREE-PLACE HOLDERS AND PUPILS LIVING AWAY FROM HOME.

School.	Roll Numbers.				Average Attendance for 1930.	Number of 1929 Pupils on Roll at beginning of 1930.	Number of New Pupils admitted during 1930.	Number of New Pupils who commenced their Post-primary Education in 1930.	Number of Free Pupils on Roll at 1st July, 1930.			Number of Pupils living away from Home to attend School.	
	At 1st March, 1930.	At 1st July, 1930.	At End of 1930.	Total Enrolments for 1930.					Junior.	Senior.	Total.	Boarding at School Hostels.	Boarding elsewhere.
Auckland Technical School ..	1,137	1,055	911	1,145	990	476	669	640	982	67	1,049	..	36
Elam School of Art.. ..	77	90	70	97	70	42	55	33	47	26	73	1	1
Hamilton Technical School ..	435	406	346	453	361	204	249	236	350	55	405	..	26
Pukekohe Technical School ..	256	241	215	262	218	133	129	124	182	50	232	..	10
New Plymouth Technical School*	..	..	..	..	..	..	..	..	..	..	..	..	..
Hawera Technical School ..	276	259	243	286	241	172	114	107	161	96	257	2	4
Stratford Technical School ..	312	291	256	319	271	183	136	134	210	80	290	8	6
Wanganui Technical School ..	631	616	561	658	580	364	294	279	448	148	596	56	25
Feilding Technical School ..	213	206	189	223	198	118	105	92	149	48	197	46	4
Palmerston North Technical School	326	346	303	349	262	136	213	209	308	34	342	1	6
Napier Technical School ..	331	347	296	351	293	157	194	184	273	58	331	..	13
Masterton Technical School ..	159	148	124	170	133	57	113	104	135	11	146	..	7
Petone Technical School ..	69	74	65	76	63	..	76	69	74	..	74	..	..
Wellington Technical School ..	874	819	685	909	744	417	492	467	721	88	809	..	8
Nelson Technical School ..	64	69	64	76	54	26	50	43	58	11	69	..	..
Westport Technical School ..	106	93	75	107	86	58	49	47	71	21	92	..	5
Greymouth Technical School..	298	282	264	308	247	170	138	126	215	61	276	28	3
Christchurch Technical School	1,007	952	836	1,044	869	541	503	483	805	143	948	45	13
Canterbury College School of Art	175	179	163	180	134	78	102	88	127	22	149	..	9
Ashburton Technical School ..	227	214	171	230	192	108	122	115	187	27	214	..	9
Timaru Technical School ..	210	203	166	233	181	93	140	135	183	19	202	..	7
Dunedin Technical School ..	690	640	561	709	599	308	401	388	580	54	634	..	19
Invercargill Technical School	513	472	389	530	425	281	249	244	395	73	468	..	21
Totals	8,386	8,002	6,953	8,715	6,211	4,122	4,593	4,347	6,661	1,192	7,853	187	232

* Statistics so far as full-time pupils are concerned are included in the secondary-schools report—see New Plymouth Boys' and Girls' High Schools.

TABLE J 2.—CLASSIFICATION OF FULL-TIME PUPILS ON THE ROLL OF TECHNICAL HIGH SCHOOLS AND TECHNICAL DAY SCHOOLS AT 1ST JULY, 1930, ACCORDING TO YEAR OF ATTENDANCE.

First Year.		Second Year.		Third Year.		Fourth Year.		Fifth Year.		Sixth Year.		Totals.		Grand Total.
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
2,299	1,972	1,335	1,080	556	410	166	106	37	27	2	12	4,395	3,607	8,002

TABLE J 2A.—CLASSIFICATION OF FULL-TIME PUPILS HOLDING GOVERNMENT FREE PLACES ON THE ROLL OF TECHNICAL HIGH AND TECHNICAL DAY SCHOOLS AT 1ST JULY, 1930, ACCORDING TO YEAR OF ATTENDANCE.

First Year.		Second Year.		Third Year.		Fourth Year.		Fifth Year.		Sixth Year.		Totals.		Grand Total.
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
2,287	1,941	1,321	1,059	531	391	153	101	34	26	2	7	4,328	3,525	7,853

TABLE J 3.—CLASSIFICATION OF FULL-TIME PUPILS AT TECHNICAL HIGH SCHOOLS AND TECHNICAL DAY SCHOOLS ON 1ST JULY, 1930, ACCORDING TO COURSES OF INSTRUCTION.

Industrial.		Agricultural.		Domestic.		Commercial.		General.		Art.		Totals.		Grand Total.
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
2,278	..	445	..	..	1,142	837	1,944	693	262	142	259	4,395	3,607	8,002

TABLE J 4.—CLASSIFICATION OF FULL-TIME PUPILS AT TECHNICAL HIGH SCHOOLS AND TECHNICAL DAY SCHOOLS, ACCORDING TO AGES, AT 1ST JULY, 1930.

Eleven Years.		Twelve Years.		Thirteen Years.		Fourteen Years.		Fifteen Years.		Sixteen Years.		
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
6	4	154	150	898	904	1,435	1,232	1,180	840	518	325	
Seventeen Years.		Eighteen Years.		Nineteen Years.		Twenty Years.		Twenty-one Years and over.		Totals.		Grand Total.
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
152	98	40	27	3	11	1	7	8	9	4,395	3,607	8,002

TABLE J 5.—NUMBER OF PUPILS WHO COMMENCED THEIR POST-PRIMARY EDUCATION AT TECHNICAL HIGH SCHOOLS AND TECHNICAL DAY SCHOOLS IN 1930, ACCORDING TO AGE AT DATE OF ADMISSION.

Under Thirteen Years.		Thirteen Years.		Fourteen Years.		Fifteen Years and over.		Totals.		Grand Total.
Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
240	253	918	839	810	673	397	217	2,365	1,982	4,347

TABLE J 6.—DESTINATION OF FULL-TIME PUPILS WHO LEFT THE TECHNICAL HIGH SCHOOLS OR TECHNICAL DAY SCHOOLS DURING OR AT THE END OF 1930.

		Continued Full-time at other Technical or Secondary Schools.	University College.	School-teaching or Training College.	Clerical.				Engineering, Surveying, and Architecture.	Various Trades and Industries.	Shop and Warehouse.	Farming.	Home.	Other Occupations.	Not known.	Totals.	Grand Total.
					Government or Local Body.	Banks and Insurance.	Legal.	Commercial.									
Boys	..	127	15	12	46	4	2	97	123	306	242	374	82	24	343	1,797	} 3,331
Girls	..	110	4	18	17	1	7	183	..	85	121	7	633	54	294	1,534	

SECTION B.—PART-TIME PUPILS.

TABLE J 7.—CLASSIFICATION OF PART-TIME STUDENTS ON THE ROLL OF TECHNICAL SCHOOLS OR CLASSES AT 1ST JULY, 1930, ACCORDING TO OCCUPATIONS.

	Engineers and Mechanics.	Electricians.	Plumbers, Metal-workers, &c.	Woodworkers.	Painters, Plasterers, &c.	Printers, &c.	Agricultural Pursuits.	Professional Pursuits.	Clerical Pursuits.	Domestic Pursuits.	Dressmakers, Milliners, Tailoresses, &c.	Employed in Shop or in Warehouse.	Engaged in various other Trades and Industries.	Labourers.	No Occupations.	Occupations not stated.	Totals.
Males..	1,180	329	774	919	287	153	272	215	1,439	..	..	912	533	69	532	140	7,754
Females	..	2	..	..	..	1	6	399	1,017	1,096	193	337	132	..	773	119	4,075
Totals	1,180	331	774	919	287	154	278	614	2,456	1,096	193	1,249	665	69	1,305	259	11,829

TABLE J 8.—CLASSIFICATION OF PART-TIME STUDENTS ON THE ROLL OF TECHNICAL SCHOOLS OR CLASSES, ACCORDING TO AGES, AT 1ST JULY, 1930.

—		Under Thirteen.	Thirteen Years.	Fourteen Years.	Fifteen Years.	Sixteen Years.	Seven- teen Years.	Eighteen Years.	Nineteen Years.	Twenty Years.	Twenty- one Years.	Over Twenty- one.	Totals.
Males..	..	32	91	522	1,118	1,427	1,458	1,012	666	453	192	783	7,754
Females	..	45	98	383	615	787	570	420	238	151	66	702	4,075
Totals	..	77	189	905	1,733	2,214	2,028	1,432	904	604	258	1,485	11,829

TABLE J 9.—FREE PART-TIME PUPILS CLASSIFIED ACCORDING TO YEAR OF ATTENDANCE AND OTHERS ON THE ROLL OF TECHNICAL SCHOOLS OR CLASSES AT 1ST JULY, 1930.

	Junior.		Senior.			Totals.	Other Students.	Grand Total.
	First Year.	Second Year.	First Year.	Second Year.	Third Year and over.			
Males..	915	817	879	771	654	4,036	3,718	7,754
Females	403	354	507	397	297	1,958	2,117	4,075
Totals	1,318	1,171	1,386	1,168	951	5,994	5,835	11,829

TABLE J 9A.—CLASSIFICATION OF STUDENTS HOLDING GOVERNMENT FREE PLACES IN ATTENDANCE AT EVENING TECHNICAL CLASSES AND PART-TIME DAY CLASSES ACCORDING TO YEAR OF ATTENDANCE.

First Year.		Second Year.		Third Year.		Fourth Year.		Fifth Year and over.		Totals.		Grand Total.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
915	403	817	354	879	507	771	397	654	297	4,036	1,958	5,994

Of the forty-three centres at which classes were conducted, 9,232 students attended those conducted by Technical School Boards; 179 Secondary Education Boards, 824 Education Boards, 1,225 High-school Boards, and 369 University College Boards.

SECTION C.—ALL PUPILS—FULL-TIME AND PART-TIME.

TABLE J 10.—TABLE SHOWING COMBINED ROLL NUMBERS AT DAY AND EVENING CLASSES AT 1ST JULY, 1930.

Controlling Body.	Schools and Classes.	Technical High and Day Schools.			Other Technical Classes.			Totals.		Grand Totals
		Males.		Females.	Males.		Females.	Totals.		
		Males.	Females.	Totals.	Males.	Females.	Totals.			
Technical School Board	Auckland Technical School	587	468	1,055	1,122	280	1,402	1,709	748	2,457
	Elam School of Art	24	66	90	79	112	191	103	178	281
	Hamilton Technical School	207	199	406	214	142	356	421	341	762
	Pukekohe Technical School	137	104	241	..	..	..	137	104	241
	Haveria Technical School	127	132	259	41	4	45	168	136	304
	Stratford Technical School	170	121	291	20	13	33	190	134	324
	Wanganui Technical School	421	195	616	183	176	359	604	371	975
	Feilding Technical School	120	86	206	27	50	77	147	136	283
	Napier Technical School	206	141	347	175	158	333	381	299	680
	Petone Technical School	43	31	74	244	83	327	287	114	401
	Wellington Technical School	512	307	819	1,294	489	1,783	1,806	796	2,602
	Nelson Technical School	45	24	69	119	139	258	164	163	327
	Westport Technical School	162	120	282	23	57	80	71	102	173
	Greymouth Technical School	596	356	952	23	73	155	244	193	437
	Christchurch Technical School	92	122	214	1,235	371	1,606	1,831	727	2,558
	Asketbury Technical School	165	98	263	212	112	324	317	210	527
	Timaru Technical School	..	..	..	37	23	60	37	23	60
	Kaipoi Technical School	..	..	..	10	26	36	10	26	36
	Tenaruka Technical School	312	328	640	931	313	1,244	1,243	641	1,884
	Dunedin Technical School	241	231	472	234	141	375	475	372	847
	Invercargill Technical School	..	..	..	19	9	28	19	9	28
	Whangarei Technical School	..	..	..	255	141	396	255	141	396
	New Plymouth Technical School	..	..	..	322	295	617	462	501	963
	Palmerston North Technical School	140	206	346	7	..	7	7	..	7
	Dannevirke Technical School	..	..	..	13	..	13	13	..	13
	Blenheim Technical School	..	..	..	37	70	107	37	70	107
	Oamaru Technical School	..	..	..	18	39	57	18	39	57
Gore Technical School	..	..	..	140	229	369	168	380	548	
Canterbury College School of Art	28	151	179	118	61	179	190	137	327	
Masterton Technical School	72	76	148	106	163	269	106	163	269	
Auckland (Onehunga, Tauranga, Thames, Waihi)	..	..	..	96	55	151	96	55	151	
Hawke's Bay (Gisborne)	..	..	..	..	20	20	..	20	20	
Hawke's Bay (Waipawa)	..	..	..	..	52	145	..	52	145	
Wellington (Lower Hutt)	..	..	..	93	57	150	93	57	150	
Nelson (Motueka, Takaka, Murchison)	..	..	..	34	31	65	34	31	65	
Canterbury (Leeston, Southbridge, Killiney, Brookside)	..	..	..	118	30	148	118	30	148	
Totals	..	..	..	7,754	4,075	11,829	12,149	7,682	19,831	

SECTION C.—ALL PUPILS—FULL-TIME AND PART-TIME—continued.
TABLE J 11(A).—RECEIPTS BY CONTROLLING AUTHORITIES FOR THE YEAR ENDED 31ST DECEMBER, 1930.

Name of School.	Receipts from Government.						Other Receipts.									
	Salaries and Allowances (Full-time, Part-time, and Student Teachers).	Incidental Allowances.	Buildings, Sites, Equipment, and Rent.	Main-tenance of Buildings.	Subsidies on Voluntary Contributions.	Miscellaneous.	Total Receipts from Govern-ment.	Voluntary Contri-butions.	Fees.			Transfers from other Accounts.	Hostel Receipts.	Total other Receipts.	Total Receipts.	
									Tuition.	Other—e.g., Material, Typing.	Scholar-ships.					Miscel-laneous.
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Under Technical School Boards—																
Auckland ..	21,564	5,302	244	72	..	..	27,182	..	874	108	54	4,355	..	5,391	32,573	
Elam School of Art ..	1,905	300	95	4	..	..	2,304	..	622*	..	..	31	..	653	2,957	
Pukekohe ..	4,947	1,377	189	158	..	114	6,785	..	58	50	..	234	..	342	7,127	
Hamilton ..	7,948	1,960	403	97	..	173	10,581	35	291	20	15	321	..	682	11,263	
Hawera ..	4,290	1,222	406	..	..	..	5,918	..	59	..	..	216	..	275	6,193	
Stratford ..	4,828	1,237	489	30	..	..	6,584	132	23	..	..	87	410	652	7,236	
Wanganui ..	10,562	2,684	359	..	121	11	13,737	61	454	..	..	1,255	3,547	5,317	19,054	
Feilding ..	3,701	960	105	..	..	..	4,766	28	108	..	..	109	3,469	3,714	8,480	
Napier ..	5,390	1,516	563	10	35	9	7,523	40	204	22	..	895	..	1,161	8,684	
Waipawa ..	..	..	..	..	..	..	..	..	17	..	..	..	..	17	17	
Wellington ..	18,855	3,444	19,202	67	319	..	41,887	40	1,899	409	70	2,738	..	5,156	47,043	
Petone ..	1,884	400	143	13	30	..	2,470	84	145	..	..	101	..	330	2,800	
Nelson ..	2,902	706	128	..	..	13	3,749	32	148	..	..	290	..	470	4,219	
Westport ..	2,928	866	199	75	16	66	4,150	7	67	6	..	104	..	184	4,334	
Greymouth ..	4,613	1,243	62	..	72	113	6,103	94	76	47	..	759	1,283	2,259	8,362	
Christchurch ..	20,447	4,990	637	150	..	117	26,341	548	993	196	..	2,872	1,682	6,291	32,632	
Ashburton ..	4,774	1,385	44	..	..	..	6,203	47	106	2	..	219	..	374	6,577	
Timaru ..	4,866	943	420	86	25	155	6,495	203	284	75	..	228	..	790	7,285	
Kaipoi ..	37	..	..	..	..	..	37	19	34	..	..	38	..	91	128	
Temuka ..	4	..	..	..	45	..	49	34	55	..	..	20	..	109	158	
Dunedin ..	13,943	3,453	177	158	160	3	17,894	137	753	236	127	1,191	..	2,444	20,338	
Invercargill ..	9,117	2,571	..	84	..	2	11,774	102	243	16	57	1,280	..	1,698	13,472	
Under High School Boards—																
Whangarei ..	80	4	..	..	..	..	84	..	37	..	..	..	..	37	121	
New Plymouth ..	5,024	240	60	58	..	..	5,382	50	269	20	..	171	..	510	5,892	
Palmerston North ..	8,332	1,669	5,702	96	135	86	16,020	251	571	75	..	212	..	1,109	17,129	
Dannevirke ..	68	3	..	..	..	..	71	10	17	..	..	3	..	30	101	
Blenheim ..	171	20	..	..	..	..	191	..	15	..	..	25	..	40	231	
Oamaru ..	497	58	..	..	41	..	596	101	55	..	..	5	..	161	757	
Gore ..	..	..	..	..	..	..	..	..	60	..	..	..	..	60	60	
Under University College Board—	4,892	745	17	..	..	..	5,654	11	806	11	2	432	..	1,262	6,916	
Canterbury College School of Art	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Under Secondary Education Board—	3,203	840	18	..	..	..	4,061	5	159	..	..	118	..	282	4,343	
Masterton ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Under Education Boards—																
Auckland small centres ..	488	33	..	..	..	..	521	..	131	12	..	78	..	221	742	
Gisborne ..	532	20	..	..	25	..	577	20	109	..	..	5	..	134	711	
Lower Hutt ..	337	71	..	..	..	..	408	10	39	..	..	3	..	52	460	
Canterbury small centres ..	7	..	4	..	..	..	11	36	114	7	..	3	..	160	171	
Totals..	173,136	40,262	29,666†	1,158	1,024	862	246,108	2,137	9,895	1,312	325	18,398	10,391	42,458	288,566	

* Includes £250 from Elam Trust.

† Does not include payments made to Public Works Department.

SECTION C.—ALL PUPILS—FULL-TIME AND PART-TIME—continued.

TABLE J 11(b).—PAYMENTS BY CONTROLLING AUTHORITIES FOR THE YEAR ENDED 31ST DECEMBER, 1930.

Name of School.	Salaries and Allowances (Full-time, Part-time, and Student Teachers).	Sites, Buildings, Equipment, and Rent.	Working-expenses.						Totals.	Other Expenditure.	Transfers to other Accounts.	Hostel Payments.	Total Expenditure.
			Office Salaries.	Office Expenses (including Advertising and Printing).	Material for Class use.	Maintenance of Buildings, Grounds, and Equipment.	Caretaking and Cleaning.	Lighting, Heating, and Water.					
	£	£	£	£	£	£	£	£	£	£	£	£	£
Under Technical School Boards—													
Auckland ..	21,201	2,017	605	429	1,866	278	708	531	4,797	3,095	413	..	31,523
Elam School of Art ..	2,028	2	184	82	116	126	163	66	767	..	..	..	2,797
Pukekohe ..	4,970	353	96	124	295	374	354	51	1,531	15	9	..	7,178
Hamilton ..	7,903	1,032	170	164	527	240	333	109	1,761	85	2,114	..	12,895
Hawera ..	4,470	584	91	106	114	109	305	77	1,802	360	..	..	6,216
Stratford ..	4,822	1,010	42	91	138	115	390	84	1,038	..	..	814	7,084
Wanganui ..	11,370	648	373	336	698	656	398	197	2,958	973	..	3,313	19,262
Feilding ..	3,747	108	107	132	127	196	378	103	1,201	145	..	3,478	8,679
Napier ..	5,546	406	311	171	288	94	214	163	1,392	531	..	..	7,875
Waipawa ..	16	..	10	5	2	..	1	1	19	..	..	..	35
Wellington ..	18,824	20,093	852	322	1,358	228	761	601	5,015	2,591	..	..	46,523
Petone ..	1,800	323	170	81	192	108	115	32	702	..	..	..	2,885
Nelson ..	2,919	218	171	69	418	38	104	41	1,018	..	..	..	4,155
Westport ..	2,893	452	174	62	213	101	257	122	1,082	..	..	..	4,427
Greymouth ..	4,925	273	202	162	491	192	211	81	1,588	338	..	1,226	8,350
Christchurch ..	20,704	1,178	1,081	586	1,256	386	1,266	386	5,393	2,288	..	2,256	31,819
Ashburton ..	4,822	102	144	89	341	347	207	77	1,323	..	..	..	6,257
Timaru ..	4,774	1,000	165	132	301	197	174	77	1,310	..	..	..	7,084
Kaipoi ..	..	..	86	2	14	..	9	7	10	..	..	..	128
Temuka ..	70	3	125	18	..	..	23	6	172	..	..	..	245
Dunedin ..	14,122	904	752	322	906	123	708	384	3,602	461	..	..	19,089
Invercargill ..	9,164	310	388	213	658	215	617	180	2,337	1,229	..	..	13,040
Under High School Boards—													
Whangarei ..	150	..	5	4	19	..	..	..	28	..	..	..	178
New Plymouth ..	4,879	133	77	56	208	38	196	167	769	17	..	..	5,798
Palmerston North ..	8,284	5,995	334	160	516	201	322	186	2,117	51	..	..	16,447
Dannevirke ..	68	..	..	..	18	..	..	5	23	3	..	..	94
Blenheim ..	98	..	..	..	26	..	26	5	57	..	..	..	155
Oamaru ..	401	83	43	43	31	28	32	39	217	..	..	..	701
Gore ..	93	11	40	..	14	..	..	8	62	..	..	..	166
Under University College Board—Canterbury College School of Art ..	4,943	5,359	375	77	149	47	287	182	1,214	30	..	..	11,546
Under Secondary Education Board—Masterton ..	3,416	161	75	88	282	89	99	137	826	31	..	..	4,434
Under Education Boards—													
Auckland small centres ..	577	..	..	..	47	..	..	..	82	..	..	..	659
Gisborne ..	480	37	30	9	36	17	16	30	141	..	..	..	658
Lower Hutt ..	428	..	50	29	4	2	23	19	134	..	..	..	562
Canterbury small centres ..	177	78	10	11	7	3	3	3	84	..	..	..	339
Totals ..	175,154	42,873	7,338	4,175	11,676	4,548	8,700	4,157	5,396	12,243	2,536	11,087	289,883

SECTION D.—MANUAL INSTRUCTION.

TABLE J 12.—STATEMENT OF RECEIPTS AND PAYMENTS BY EDUCATION BOARDS FOR THE YEAR ENDED 31ST DECEMBER, 1930, IN RESPECT OF CLASSES FOR MANUAL INSTRUCTION AND ELEMENTARY HANDWORK.

Receipts.

Education Board.	Receipts from Government.						Other Receipts.				Total Receipts.		
	Salaries (Full-time and Part-time).	Conveyance of Instructors and Pupils.	Capitation and Incidental Allowances.	Refunds in connection with Handwork Supplies.	Sites, Buildings, Rent, and Equipment.	Subsidies on Voluntary Contributions.	Total Government Receipts.	Voluntary Contributions.	Sales of Material.	Payments by Pupils for Material.		Miscellaneous.	Total other Receipts.
Auckland	£ 16,590	£ 2,096	£ 10,128	£ 528	£ 3,858	£ ..	£ 33,200	£ ..	£ 161	£ 614	£ 491	£ 1,266	£ 34,466
Taranaki	3,576	1,431	1,643	83	99	..	6,832	..	18	225	69	312	7,144
Wanganui	3,020	1,104	1,550	134	..	..	5,808	..	73	176	..	249	6,057
Hawke's Bay	4,113	837	2,339	87	48	..	7,424	..	..	252	95	347	7,771
Wellington	6,529	862	3,332	223	428	..	11,374	..	13	433	38	484	11,858
Nelson	982	411	779	79	54	..	2,305	..	..	65	..	65	2,370
Canterbury	8,568	1,867	4,003	114	530	9	15,091	..	11	444	19	474	15,565
Otago	5,249	1,117	2,631	176	561	..	9,734	5	12	257	62	336	10,070
Southland	2,851	498	1,482	64	258	..	5,153	..	13	169	..	182	5,335
Totals	51,478	10,223	27,887	1,488	5,836	9	96,921	5	301	2,635	774	3,715	100,636

Payments.

Education Board.	Salaries.			Sites, Buildings, Equipment, and Rent.	Conveyance of Instructors and Pupils.	Office Salaries.	Working expenses.				Total Expenditure.
	Manual-training.	Commercial Classes in District High Schools.	Elementary Needlework.				Class Material and other Incidentals.	Caretaking and Cleaning.	Miscellaneous.	Total Working expenses.	
Auckland	£ 15,176	£ 1,200	£ 1,872	£ 4,809	£ 2,317	£ 1,075	£ 6,860	£ 1,122	£ 253	£ 9,660	£ 35,034
Taranaki	3,411	119	447	264	1,802	178	1,268	157	..	1,637	7,680
Wanganui	2,920	72	379	303	1,063	226	798	128	..	1,228	5,965
Hawke's Bay	3,599	346	257	1,476	1,035	327	1,639	..	..	2,016	8,729
Wellington	6,430	140	255	240	922	330	3,749	282	15	4,426	12,413
Nelson	952	99	259	86	604	100	330	..	1	471	2,471
Canterbury	8,523	..	346	1,143	2,258	500	2,070	383	188	3,277	15,547
Otago	5,059	192	420	682	1,478	375	1,787	282	78	2,622	10,453
Southland	2,717	72	367	9	510	100	674	136	35	945	4,620
Totals	48,787	2,240	4,602	9,012	11,989	3,211	19,175	2,490	570	26,282	102,912

SECTION D.—MANUAL INSTRUCTION—continued.

TABLE J 13.—SOME PARTICULARS RELATING TO PUPILS ATTENDING SPECIAL MANUAL-TRAINING CENTRES DURING THE YEAR ENDED 31ST DECEMBER, 1930.

Education District.	Number of Manual-training Centres.	Number of Pupils attending from															Total Number of Pupils in Attendance.			Total Number of Classes in Weekly Attendance.						
		Primary Schools.					Secondary Departments of District High Schools.					Forms I, II, and III of Junior High Schools.											Secondary Schools.			
		Wood-work.		Metal-work.		Domestic Subjects.	Wood-work.		Metal-work.		Domestic Subjects.	Wood-work.		Metal-work.		Domestic Subjects.	Wood-work.		Metal-work.		Domestic Subjects.	Wood-work.		Metal-work.		Domestic Subjects.
Auckland	35	4,694	123	4,413	517	..	516	774	247	820	167	36	321	506	..	559	6,658	406	6,629	402	34	437				
Taranaki	10	976	..	862	55	..	41	..	..	..	311	74	30	142	..	130	1,484	74	1,063	76	3	57	
Wanganui	10	1,068	..	967	99	..	121	..	..	..	46	46	..	101	..	94	1,314	46	1,182	72	2	70	
Hawke's Bay*	8	1,051	..	983	58	..	62	..	..	..	149	20	102	138	..	142	1,396	20	1,289	74	3	65	
Wellington	18	2,378	..	2,410	159	..	161	366	306	366	238	139	202	170	..	60	3,311	445	3,199	118	18	129				
Nelson	7	573	30	593	59	5	85	..	..	..	171	166	..	69	..	64	701	35	742	53	2	57	
Canterbury	25	3,593	..	3,423	259	..	266	..	..	..	232	232	190	547	..	549	4,570	166	4,238	156	6	174	
Otago	17	1,819	..	1,618	172	..	175	160	160	150	232	232	190	140	..	181	2,523	392	2,314	102	14	108				
Southland	6	1,070	..	929	64	..	67	..	..	..	..	..	..	110	..	120	1,244	..	1,116	62	..	62
Totals	136	17,222	153	16,198	1,442	5	1,494	1,300	713	1,336	1,314	713	845	1,923	..	1,899	23,201	1,584	21,772	1,115	82	1,159				
Totals for 1929	131	17,303	94	16,508	1,311	..	1,411	1,192	565	1,330	898	396	922	1,663	34	1,866	22,367	1,089	22,037	1,110	69	1,173				

* 1929 figures used, as 1930 figures not available.

The total number of primary schools receiving instruction in elementary agriculture and elementary science in each district was as follows, the figures for the previous year being shown in brackets: Auckland, 524 (483); Taranaki, 165 (162); Wanganui, 185 (189); Hawke's Bay, 168 (168); Wellington, 215 (204); Nelson, 104 (120); Canterbury, 373 (395); Otago, 212 (208); Southland, 146 (147); total, 2,092 (2,076). The total number of pupils involved was 55,016 (53,759).

SECTION E.—GENERAL SUMMARY.

TABLE J 14.—SOME PARTICULARS RELATING TO MANUAL AND TECHNICAL INSTRUCTION.

<i>Technical Instruction.</i>			
	1928.	1929.	1930.
1. Number of technical high schools and technical day schools offering full-time courses (excluding New Plymouth)	21	21	22
2. Number of pupils on roll of technical high schools and technical day schools at 30th June (1st July, 1930)	7,214	7,536	8,002
3. Number of free pupils on roll of technical high schools and technical day schools at 30th June (1st July, 1930)	6,992	7,324	7,853
4. Number of centres at which other technical classes were held (evening and part-time day)	38	37	43
5. Number of students attending evening or part-time day classes at 30th June (1st July, 1930)	10,963	11,187	11,829
6. Number of free pupils attending evening or part-time day classes at 30th June (1st July, 1930)	5,286	5,627	5,994
7. Number of full-time teachers, exclusive of principals, on staffs at 30th June (1st July, 1930)	305	327	345
8. Approximate amounts payable by Government for—			
(a) Salaries and allowances (including part-time and overtime and manual-training teachers on staffs of technical schools)	£ 154,000	£ 163,000	£ 174,350
(b) Incidental allowances	44,800	47,600	51,000
	198,800	210,600	225,350
Less recoveries from tuition fees	9,900	10,300	9,850
	188,900	200,300	215,500
9. Total expenditure by Government for financial year	225,060	254,487	303,962
Including—			
(a) Consolidated Fund—			
(i) Vote, Education	198,803	219,284	224,770
(ii) Education Act, 1914—Subsidies on voluntary contributions	2,976	2,610	874
(b) Education Loans Account	23,281	32,593	78,318
<i>Manual Instruction.</i>			
10. Number of primary manual-training centres	119	131	136
11. Number of full-time teachers on staffs controlled by Education Boards at 30th June	143	154	159
12. Approximate amounts payable by Government for—			
(a) Salaries and allowances (including part-time and overtime, and excluding manual-training teachers on staffs of technical schools)	£ 44,500	£ 46,500	£ 49,050
(b) Incidental allowances	10,200	10,850	11,550
(c) Capitation for agriculture, science, and elementary needlework classes	15,200	16,300	17,050
(d) Handwork supplies	10,400	13,000	13,100
13. Total expenditure by Government for financial year on account of—			
(a) Salaries, incidentals, capitation, and handwork material	87,086	90,951	99,010
(b) Education Loans Account	5,266	14,710	*

* Included with Primary.

Approximate Cost of Paper.—Preparation, not given; printing (875 copies), £21.

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