



Australian Council for Educational Research

Sample School

PATScience Test Booklet 7

Group Diagnostic Report

Date: 27 August 2013

ACER Test Scoring and Analysis

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Question Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Question Type			P	K	K	K	K	K	P	P	P	K	K	P	K	P	P	P	K	P	K	K	K	P	P	K	K	K	K	
Question Strand			LL	EC	LL	LL	LL	LL	M	LL	ES	M	M	EC	M	M	M	M	M	ES	ES	ES	EC	M	LL	LL	M	EC		
Correct Answer			D	A	D	C	A	C	D	C	B	A	B	A	B	A	C	D	B	D	D	C	B	A	B	B	B	A	C	
Name	Raw Score	Scale Score PatScience																												
Banderas, Kaeden	15	130	✓	✓	✓	D	C	✓	✓	✓	✓	D	✓	C	✓	✓	✓	C	C	B	B	✓	A	C	✓	✓	C	✓	*	
Brown, Alexa	8	118	C	✓	C	✓	C	B	A	✓	D	✓	D	D	✓	✓	A	C	✓	B	A	D	D	C	A	✓	A	D	D	
Butler, Ryan G	16	132	✓	*	✓	✓	✓	✓	✓	✓	✓	D	✓	✓	D	✓	✓	A	D	A	✓	D	C	✓	✓	A	C	✓	D	
Chalmer, Alicia	11	124	✓	B	A	D	C	✓	✓	B	D	B	A	C	✓	✓	✓	B	D	A	B	✓	C	✓	D	✓	✓	✓	D	
Chan, Denisha S	21	141	C	✓	B	✓	✓	✓	✓	✓	✓	✓	✓	C	✓	✓	A	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	D	✓
Collins, Linda F	13	127	✓	✓	✓	D	✓	✓	C	✓	✓	D	✓	✓	A	D	✓	B	✓	C	A	B	C	C	D	A	✓	✓	*	
Dempsey, Emma J	9	120	C	B	✓	✓	C	B	A	D	✓	C	✓	✓	C	B	A	C	C	C	A	D	C	✓	✓	✓	D	✓	A	
D'Souza, Olivia	7	116	C	✓	B	D	C	B	C	D	✓	B	C	D	D	B	A	B	A	✓	C	✓	✓	✓	✓	A	D	D	D	
Edwards, Lester	16	132	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	D	A	C	C	C	C	✓	D	D	C	✓	A	*	✓	
Foster, Madelyn	7	116	C	✓	A	D	✓	✓	✓	✓	A	D	✓	C	D	B	A	B	D	✓	A	B	C	C	D	D	D	D	D	
Hall, Lionel	10	122	A	C	C	✓	B	✓	A	B	C	✓	✓	✓	A	D	A	B	✓	A	C	✓	A	✓	C	A	✓	✓	D	
Hickory, Karen	19	137	✓	✓	✓	D	C	✓	✓	✓	✓	C	✓	C	✓	✓	✓	B	✓	B	C	✓	✓	✓	✓	✓	✓	✓	D	
Hockey, Denise L	14	128	✓	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓	✓	✓	✓	B	A	C	A	D	C	D	C	A	D	C	D	
Hussain, Seth	12	125	C	✓	C	D	✓	B	✓	D	C	D	✓	✓	✓	B	A	✓	C	✓	A	B	C	C	A	✓	✓	✓	✓	
Jackson, Gordon	11	124	A	C	C	✓	B	✓	A	B	C	✓	✓	✓	A	D	A	B	✓	A	✓	✓	A	✓	D	✓	✓	C	B	
Jones, Steven	8	118	C	B	C	A	✓	B	C	B	C	D	✓	C	✓	✓	✓	B	D	B	✓	D	A	D	D	✓	✓	D	B	
Lee, Dave P	9	120	✓	✓	B	D	C	B	C	D	✓	B	✓	✓	C	✓	A	B	✓	✓	A	B	C	C	D	✓	A	B	A	
Martin, Jovan	14	128	x	✓	✓	✓	✓	✓	✓	A	C	B	A	C	✓	✓	D	B	C	✓	C	B	A	B	✓	✓	✓	✓	✓	
Mohamad, Hossain	10	122	C	C	B	✓	D	B	A	✓	✓	D	✓	B	✓	B	A	✓	D	C	B	B	C	✓	✓	A	A	✓	✓	
O'Brien, Jeremy	11	124	A	B	A	✓	B	✓	B	✓	D	D	C	✓	✓	✓	✓	A	D	✓	A	✓	✓	✓	D	A	C	B	D	
O'Connor, Jonny	8	118	✓	✓	✓	✓	✓	x	C	D	C	B	A	B	A	B	D	C	C	✓	✓	D	C	✓	D	A	C	B	A	
Ozolins, Linda	18	135	✓	✓	✓	A	C	B	✓	D	✓	✓	✓	✓	✓	✓	✓	D	C	✓	A	✓	✓	✓	✓	C	✓	✓	D	✓

Year 9

Question Number			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
Question Type			P	K	K	K	K	K	P	P	P	K	K	P	K	P	P	P	K	P	K	K	K	P	P	K	K	K	K	
Question Strand			LL	EC	LL	LL	LL	LL	M	LL	ES	M	M	EC	M	M	M	M	M	ES	ES	ES	EC	M	LL	LL	M	EC		
Correct Answer			D	A	D	C	A	C	D	C	B	A	B	A	B	A	C	D	B	D	D	C	B	A	B	B	B	A	C	
Name	Raw Score	Scale Score PatScience																												
Porter, Nicholas H	18	135	✓	B	✓	✓	C	✓	✓	✓	✓	✓	✓	✓	C	C	✓	B	✓	✓	✓	A	✓	C	✓	C	✓	✓	B	✓
Scott, Becca R	15	130	✓	C	✓	✓	✓	✓	✓	✓	✓	✓	✓	*	*	✓	✓	✓	D	A	A	✓	A	B	D	A	✓	D	D	
Simpson, George S	10	122	C	✓	B	B	✓	✓	A	✓	D	✓	✓	C	D	✓	A	B	D	B	✓	✓	C	C	D	✓	A	C	D	
Smith, Morgan	10	122	C	×	A	✓	✓	✓	A	✓	A	D	✓	B	A	✓	A	C	D	✓	A	A	✓	C	D	✓	✓	B	A	
Spencer, Michael	13	127	C	✓	C	✓	✓	✓	C	B	✓	✓	✓	C	✓	D	A	✓	C	A	B	✓	✓	B	✓	C	✓	C	D	
Stewart, Timothy	17	133	✓	✓	C	✓	C	✓	A	✓	✓	B	✓	C	✓	✓	B	✓	✓	C	✓	A	✓	✓	C	✓	✓	D	✓	
Taylor, Davina	14	128	C	D	✓	✓	C	✓	C	✓	D	D	C	C	✓	✓	B	C	✓	✓	✓	✓	C	✓	✓	A	✓	B	✓	
Vuong, David J	11	124	C	✓	B	D	✓	✓	✓	D	C	✓	✓	✓	✓	C	A	C	D	C	B	D	C	C	A	✓	✓	✓	D	

Please Note:

- A ✓ indicates that the response to the question was correct.
- A letter shows the incorrect response.
- A × indicates multiple responses to a question.
- A * indicates a missing response.

Key: Question Strand and Count		
LL	Life and Living	9
EC	Energy and Change	4
ES	Earth and Space	4
M	Materials	10

Group	Number of Students	Av LL Score (max 9)	Av EC Score (max 4)	Av ES Score (max 4)	Av M Score (max 10)	Av K Score (max 16)	Av P Score (max 11)	Av Raw Score	PatScience Score §	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
										ALL	30	5	2	1	4	8	5	13	127	43	60	43	60	50	70	47	57	50	40	77	40	57	60	30	23	37
Male	18	5	2	1	4	8	4	12	125	39	56	33	67	56	72	39	50	44	39	83	44	56	56	22	28	28	39	33	44	22	44	28	67	56	39	33
Female	12	5	2	2	5	8	5	13	127	50	67	58	50	42	67	58	67	58	42	67	33	58	67	42	17	50	33	17	58	33	58	42	50	58	33	25

§ The PatScience score that one would obtain for this (average) score