

Route 221 - To Cannington

Timed Stops								
Stop No.	28897 / Stand 3	10011	10020	10025	10034	10040	29540 / Stand 15	
Route No.	Armadale Stn	Kelmscott Stargate Shop Ctr	Seaforth Stn (Albany Hwy)	Albany Hwy / Dorothy St	Maddington Stn	Albany Hwy / Royal St	Cannington Stn	
Monday to Friday								
am	221	5:03	5:11	5:14	5:16	5:20	5:24	5:37
	221	5:31	5:39	5:42	5:44	5:48	5:52	6:07
	221	5:54	6:02	6:05	6:07	6:11	6:15	6:30
	221	6:08	6:16	6:19	6:21	6:25	6:29	6:45
	221	6:15	6:23	6:26	6:28	6:32	6:36	6:52
	221	6:20	6:28	6:31	6:33	6:37	6:41	6:57
	221	6:25	6:33	6:36	6:38	6:42	6:46	7:02
	221	6:30	6:38	6:41	6:43	6:47	6:51	7:07
	221	6:35	6:43	6:46	6:48	6:52	6:56	7:12
	221	6:39	6:47	6:49	6:51	6:55	6:59	7:16
	221	6:44	6:52	6:55	6:57	7:02	7:06	7:23
	221	6:49	6:57	6:59	7:01	7:06	7:10	7:27
	221	6:53	7:01	7:04	7:06	7:11	7:15	7:32
	221	6:57	7:05	7:09	7:11	7:16	7:20	7:37
	221	7:02	7:10	7:14	7:16	7:21	7:25	7:42
	221	7:06	7:14	7:18	7:20	7:25	7:29	7:47
	221	7:11	7:19	7:23	7:25	7:30	7:34	7:52
	221	7:16	7:24	7:28	7:30	7:35	7:39	7:57
	221	7:21	7:29	7:33	7:35	7:40	7:45	8:04
	221	7:26	7:34	7:38	7:40	7:45	7:50	8:09
	221	7:31	7:39	7:43	7:45	7:50	7:55	8:14
	221	7:36	7:44	7:48	7:50	7:55	8:00	8:18
	221	7:40	7:48	7:52	7:54	7:59	8:04	8:23
	221	7:47	7:55	7:59	8:01	8:06	8:11	8:30
	221	7:54	8:02	8:06	8:08	8:13	8:18	8:37
	221	8:02	8:11	8:15	8:17	8:22	8:27	8:45
	221	8:09	8:18	8:22	8:24	8:29	8:34	8:52
	221	8:17	8:26	8:30	8:32	8:37	8:42	9:00
	221	8:25	8:34	8:38	8:40	8:45	8:49	9:07
	221	8:33	8:42	8:46	8:48	8:53	8:57	9:15
	221	8:42	8:50	8:53	8:55	9:00	9:04	9:22
	221	8:57	9:05	9:08	9:10	9:15	9:19	9:37
	221	9:12	9:20	9:23	9:25	9:30	9:34	9:52
	221	9:27	9:35	9:38	9:40	9:45	9:49	10:07
	221	9:42	9:50	9:53	9:55	10:00	10:04	10:22
	221	9:57	10:05	10:08	10:10	10:15	10:19	10:37
221	10:12	10:20	10:23	10:25	10:30	10:34	10:52	
221	10:27	10:35	10:38	10:40	10:45	10:49	11:07	
221	10:42	10:50	10:53	10:55	11:00	11:04	11:22	
221	10:57	11:05	11:08	11:10	11:15	11:19	11:37	
221	11:12	11:20	11:23	11:25	11:30	11:34	11:52	
221	11:27	11:35	11:38	11:40	11:45	11:49	12:07	
221	11:42	11:50	11:53	11:55	12:00	12:04	12:22	
221	11:57	12:05	12:08	12:10	12:15	12:19	12:37	
pm	221	12:12	12:20	12:23	12:25	12:30	12:34	12:52
	221	12:27	12:35	12:38	12:40	12:45	12:49	1:07
	221	12:42	12:50	12:53	12:55	1:00	1:04	1:22
	221	12:57	1:05	1:08	1:10	1:15	1:19	1:37
	221	1:12	1:20	1:23	1:25	1:30	1:34	1:52
	221	1:27	1:35	1:38	1:40	1:45	1:49	2:07
	221	1:42	1:50	1:53	1:55	2:00	2:04	2:22
	221	1:57	2:05	2:08	2:10	2:15	2:19	2:37
	221	2:10	2:18	2:22	2:24	2:29	2:33	2:52
	221	2:25	2:33	2:37	2:39	2:44	2:48	3:07
221	2:39	2:47	2:51	2:53	2:58	3:02	3:22	
Monday to Friday (continued over page)								

Monday to Friday (continued over page)

Timed Stops								
Stop No.	28897 / Stand 3		10011	10020	10025	10034	10040	29540 / Stand 15
Route No.	Armadale Stn	Kelmscott Stargate Shop Ctr	Seaforth Stn (Albany Hwy)	Albany Hwy / Dorothy St	Maddington Stn	Albany Hwy / Royal St	Cannington Stn	
Saturdays (continued)								
pm	221	3:04	3:12	3:15	3:17	3:22	3:26	3:44
	221	3:20	3:28	3:31	3:33	3:38	3:42	4:00
	221	3:35	3:43	3:46	3:48	3:53	3:57	4:15
	221	3:50	3:58	4:01	4:03	4:08	4:12	4:30
	221	4:05	4:13	4:16	4:18	4:23	4:27	4:45
	221	4:20	4:28	4:31	4:33	4:38	4:42	5:00
	221	4:35	4:43	4:46	4:48	4:53	4:57	5:15
	221	4:50	4:58	5:01	5:03	5:08	5:12	5:30
	221	5:07	5:15	5:18	5:20	5:24	5:28	5:45
	221	5:22	5:30	5:33	5:35	5:39	5:43	6:00
	221	5:37	5:45	5:48	5:50	5:54	5:58	6:15
	221	5:52	6:00	6:03	6:05	6:09	6:13	6:30
Sundays & Public Holidays								
am	221	7:09	7:17	7:20	7:22	7:26	7:30	7:45
	221	7:24	7:32	7:35	7:37	7:41	7:45	8:00
	221	7:39	7:47	7:50	7:52	7:56	8:00	8:15
	221	7:54	8:02	8:05	8:07	8:11	8:15	8:30
	221	8:08	8:16	8:19	8:21	8:25	8:29	8:45
	221	8:23	8:31	8:34	8:36	8:40	8:44	9:00
	221	8:38	8:46	8:49	8:51	8:55	8:59	9:15
	221	8:52	9:00	9:03	9:05	9:09	9:13	9:30
	221	9:07	9:15	9:18	9:20	9:24	9:28	9:45
	221	9:22	9:30	9:33	9:35	9:39	9:43	10:00
	221	9:37	9:45	9:48	9:50	9:54	9:58	10:15
	221	9:52	10:00	10:03	10:05	10:09	10:13	10:30
pm	221	10:06	10:14	10:17	10:19	10:23	10:27	10:45
	221	10:21	10:29	10:32	10:34	10:38	10:42	11:00
	221	10:35	10:43	10:46	10:48	10:53	10:57	11:15
	221	10:50	10:58	11:01	11:03	11:08	11:12	11:30
	221	11:05	11:13	11:16	11:18	11:23	11:27	11:45
	221	11:20	11:28	11:31	11:33	11:38	11:42	12:00
	221	11:35	11:43	11:46	11:48	11:53	11:57	12:15
	221	11:49	11:57	12:00	12:02	12:07	12:11	12:30
	221	12:04	12:12	12:15	12:17	12:22	12:26	12:45
	221	12:19	12:27	12:30	12:32	12:37	12:41	1:00
	221	12:35	12:43	12:46	12:48	12:53	12:57	1:15
	221	12:50	12:58	1:01	1:03	1:08	1:12	1:30
	221	1:05	1:13	1:16	1:18	1:23	1:27	1:45
	221	1:20	1:28	1:31	1:33	1:38	1:42	2:00
	221	1:35	1:43	1:46	1:48	1:53	1:57	2:15
	221	1:50	1:58	2:01	2:03	2:08	2:12	2:30
	221	2:05	2:13	2:16	2:18	2:23	2:27	2:45
	221	2:20	2:28	2:31	2:33	2:38	2:42	3:00
	221	2:35	2:43	2:46	2:48	2:53	2:57	3:15
	221	2:50	2:58	3:01	3:03	3:08	3:12	3:30
	221	3:05	3:13	3:16	3:18	3:23	3:27	3:45
	221	3:20	3:28	3:31	3:33	3:38	3:42	4:00
	221	3:35	3:43	3:46	3:48	3:53	3:57	4:15
	221	3:50	3:58	4:01	4:03	4:08	4:12	4:30
221	4:05	4:13	4:16	4:18	4:23	4:27	4:45	
221	4:20	4:28	4:31	4:33	4:38	4:42	5:00	
221	4:35	4:43	4:46	4:48	4:53	4:57	5:15	
221	4:50	4:58	5:01	5:03	5:08	5:12	5:30	
221	5:06	5:14	5:17	5:19	5:23	5:27	5:45	
221	5:22	5:30	5:33	5:35	5:39	5:43	6:00	
221	5:38	5:46	5:49	5:51	5:55	5:59	6:15	

Bus Timetable

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- Armadale
- Beckenham
- Bentley
- Cannington
- East Perth
- East Victoria Park
- Gosnells
- Kelmescott
- Kenwick
- Maddington
- Perth
- St James
- Victoria Park

 All Transperth buses are accessible



Route 219 - To Armadale

Timed Stops			
Stop No.	22035 / Stand 4	13369	
Route No.	Kelmscott Stn	Armadale Health Service (Main Entrance)	Armadale Stn
Monday to Friday			
am 219	8:48	8:54	9:08
219	9:59	10:05	10:17
219	11:00	11:06	11:18
219	11:59	12:05	12:17
pm 219	1:01	1:07	1:18
219	2:00	2:06	2:17
219 S	3:04	3:12	3:30
No Saturday, Sunday and Public Holiday service			
Legend			
S	Departs from Kelmscott Senior High School at 3.00pm and travels express to Kelmscott Station, on school days only.		

Route 220 - To Armadale

Timed Stops											
Stop No.	Zone A	10140 / Stand 4	11716	11720	10163	10174	10182	10200	13369	10204	28898 / Stand 4
Route No.	Perth Busport	Causeway Bus Stn	Park Centre Shop Ctr	Albany Hwy / Oats St	Carousel Shop Ctr / Albany Hwy	Albany Hwy / Austin Av	Albany Hwy / Gosnells Rd West	Albany Hwy / Church St	Armadale Health Service (Main Entrance)	Armadale Health Service (Albany Hwy)	Armadale Stn
Monday to Friday											
am 220	5:10	5:19	5:25	5:28	5:37	5:45	5:50	5:59	-	6:01	6:20
220	6:30	6:39	6:45	6:48	6:57	7:05	7:10	7:19	-	7:21	7:40
220 S	7:15	7:25	7:31	7:34	7:45	7:54	7:59	8:10	-	8:13	8:22
220 H	7:15	7:25	7:31	7:34	7:45	7:54	7:59	8:10	-	8:13	8:27
220 D	8:15	8:27	8:34	8:38	8:52	9:02	9:08	9:19	9:22	-	9:43
220 D	9:15	9:26	9:33	9:37	9:49	9:58	10:04	10:15	10:18	-	10:40
220 D	10:22	10:33	10:40	10:44	10:56	11:05	11:11	11:22	11:25	-	11:44
220 D	11:22	11:33	11:40	11:44	11:56	12:06	12:12	12:24	12:27	-	12:46
pm 220 D	12:22	12:33	12:40	12:44	12:56	1:06	1:12	1:24	1:27	-	1:48
220 D	1:22	1:33	1:40	1:44	1:56	2:07	2:13	2:25	2:28	-	2:51
220 D	2:22	2:33	2:40	2:44	2:56	3:07	3:13	3:25	3:28	-	3:55
220 D	3:02	3:15	3:24	3:29	3:45	3:58	4:04	4:16	4:20	-	4:45
220 D	3:30	3:43	3:52	3:56	4:10	4:23	4:29	4:40	4:44	-	5:02
220 D	4:00	4:13	4:22	4:26	4:40	4:52	4:57	5:08	5:11	-	5:32
220 D	4:21	4:34	4:43	4:47	5:00	5:11	5:16	5:27	5:30	-	5:49
220	4:39	4:52	5:01	5:07	5:20	5:31	5:36	5:47	-	5:49	6:08
220	5:00	5:14	5:23	5:27	5:39	5:49	5:53	6:04	-	6:06	6:28
220	5:21	5:35	5:44	5:48	5:59	6:09	6:13	6:23	-	6:25	6:44
220	5:40	5:53	6:01	6:05	6:16	6:26	6:30	6:40	-	6:42	6:59
220	6:00	6:12	6:20	6:24	6:34	6:42	6:46	6:56	-	6:58	7:15
220	6:40	6:50	6:58	7:02	7:12	7:20	7:24	7:34	-	7:36	7:51
Saturday											
am 220 D	7:33	7:42	7:48	7:51	8:00	8:08	8:12	8:22	8:26	-	8:42
220 D	8:33	8:42	8:48	8:51	9:00	9:09	9:13	9:23	9:27	-	9:43
220 D	9:33	9:43	9:50	9:53	10:05	10:15	10:20	10:30	10:34	-	10:52
220 D	10:33	10:43	10:51	10:55	11:08	11:17	11:22	11:32	11:36	-	11:54
220 D	11:33	11:44	11:52	11:56	12:09	12:19	12:24	12:34	12:38	-	12:56
pm 220 D	12:33	12:44	12:52	12:56	1:09	1:19	1:24	1:34	1:38	-	1:58
220 D	1:33	1:44	1:52	1:56	2:09	2:19	2:25	2:35	2:39	-	2:58
220 D	2:33	2:44	2:52	2:56	3:09	3:19	3:24	3:34	3:38	-	3:54
220 D	3:33	3:44	3:52	3:56	4:08	4:18	4:22	4:32	4:36	-	4:53
220	4:33	4:44	4:52	4:56	5:08	5:18	5:22	5:32	-	5:35	5:51
220	5:33	5:44	5:52	5:56	6:07	6:17	6:21	6:31	-	6:33	6:50
220	6:33	6:43	6:51	6:54	7:04	7:12	7:16	7:25	-	7:27	7:39
Sunday & Public Holidays											
am 220 D	8:33	8:42	8:48	8:52	9:01	9:09	9:13	9:22	9:26	-	9:39
220 D	9:33	9:42	9:49	9:53	10:02	10:10	10:14	10:24	10:28	-	10:45
220 D	10:33	10:43	10:50	10:54	11:05	11:14	11:18	11:28	11:32	-	11:46
220 D	11:33	11:43	11:50	11:54	12:05	12:14	12:19	12:29	12:33	-	12:47
pm 220 D	12:33	12:43	12:51	12:55	1:07	1:16	1:21	1:31	1:35	-	1:52
220 D	1:33	1:43	1:51	1:55	2:06	2:15	2:20	2:30	2:34	-	2:51
220 D	2:33	2:43	2:51	2:55	3:06	3:15	3:20	3:29	3:33	-	3:48
220 D	3:33	3:43	3:51	3:55	4:06	4:15	4:20	4:30	4:34	-	4:49
220	4:33	4:43	4:50	4:54	5:05	5:14	5:18	5:28	-	5:31	5:46
220	5:33	5:43	5:50	5:54	6:05	6:14	6:18	6:28	-	6:30	6:45
220	6:33	6:42	6:49	6:53	7:03	7:11	7:15	7:25	-	7:27	7:39
Legend											
D	Deviates via Armadale Health Service.										
H	Operates on school holidays only.										
S	Operates on school days only and extends to Armadale Senior High School.										

Route 221 - To Armadale

Timed Stops							
Stop No.	29537 / Stand 12	10170	10176	10184	10189	10198	28898 / Stand 4
Route No.	Cannington Stn	Albany Hwy / Royal St	Albany Hwy / Olga Rd	Albany Hwy / Dorothy St	Seaforth Stn (Albany Hwy)	Kelmscott Stargate Shop Ctr	Armadale Stn
Monday to Friday							
am 221	6:11	6:20	6:23	6:28	6:30	6:34	6:50
221	6:34	6:43	6:46	6:51	6:54	6:58	7:14
221	6:56	7:05	7:08	7:13	7:16	7:20	7:36
221	7:19	7:29	7:32	7:37	7:40	7:44	8:01
221	7:34	7:44	7:47	7:53	7:55	7:59	8:17
221	7:44	7:54	7:57	8:03	8:05	8:09	8:27
221	7:54	8:05	8:08	8:14	8:16	8:21	8:39
221	8:04	8:15	8:19	8:25	8:27	8:32	8:50
221	8:15	8:26	8:30	8:36	8:38	8:43	9:01
221	8:25	8:35	8:39	8:45	8:47	8:52	9:10
221	8:35	8:45	8:49	8:55	8:57	9:02	9:20
221	8:45	8:55	8:59	9:05	9:07	9:12	9:30
221	8:55	9:05	9:09	9:15	9:17	9:22	9:40
221	9:04	9:14	9:18	9:23	9:25	9:30	9:47
221	9:11	9:21	9:25	9:30	9:32	9:37	9:54
221	9:26	9:36	9:40	9:45	9:47	9:52	10:09
221	9:41	9:51	9:55	10:00	10:02	10:07	10:25
221	9:56	10:06	10:10	10:15	10:17	10:22	10:39
221	10:11	10:21	10:25	10:30	10:32	10:37	10:54
221	10:26	10:36	10:40	10:45	10:47	10:52	11:09
221	10:41	10:51	10:55	11:00	11:02	11:07	11:24
221	10:56	11:06	11:10	11:15	11:17	11:22	11:39
221	11:11	11:21	11:25	11:30	11:32	11:37	11:54
221	11:26	11:36	11:40	11:45	11:47	11:51	12:08
221	11:41	11:51	11:55	12:00	12:02	12:06	12:23
221	11:56	12:06	12:10	12:16	12:18	12:22	12:39
pm 221	12:11	12:21	12:25	12:31	12:33	12:37	12:54
221	12:26	12:36	12:40	12:46	12:48	12:52	1:09
221	12:41	12:51	12:55	1:01	1:03	1:07	1:24
221	12:56	1:06	1:10	1:16	1:18	1:22	1:39
221	1:11	1:21	1:25	1:31	1:33	1:37	1:54
221	1:26	1:36	1:40	1:46	1:48	1:52	2:09
221	1:41	1:51	1:55	2:01	2:03	2:07	2:24
221	1:56	2:06	2:10	2:16	2:18	2:22	2:40
221	2:11	2:21	2:25	2:31	2:33	2:37	2:55
221	2:26	2:36	2:40	2:46	2:48	2:53	3:11
221	2:34	2:44	2:48	2:54	2:56	3:01	3:20
221	2:44	2:54	2:59	3:06	3:08	3:13	3:33
221	2:54	3:04	3:09	3:16	3:18	3:23	3:43
221	3:04	3:14	3:19	3:26	3:28	3:33	3:53
221	3:14	3:24	3:29	3:36	3:38	3:43	4:03
221	3:24	3:34	3:39	3:46	3:48	3:53	4:13
221	3:34	3:45	3:50	3:56	3:58	4:03	4:22
221	3:41	3:52	3:57	4:03	4:05	4:10	4:29
221	3:49	4:00	4:05	4:11	4:14	4:19	4:38
221	3:56	4:07	4:12	4:18	4:21	4:26	4:45
221	4:04	4:14	4:19	4:25	4:27	4:32	4:51
221	4:11	4:21	4:26	4:32	4:34	4:39	4:58
221	4:19	4:30	4:35	4:41	4:43	4:48	5:07
221	4:26	4:37	4:42	4:47	4:49	4:54	5:13
221	4:34	4:45	4:50	4:55	4:57	5:02	5:21
221	4:41	4:52	4:57	5:02	5:04	5:09	5:28
221	4:49	4:59	5:04	5:09	5:11	5:16	5:35
221	4:59	5:09	5:14	5:19	5:21	5:26	5:45
221	5:04	5:15	5:20	5:25	5:27	5:32	5:51
221	5:14	5:25	5:30	5:35	5:37	5:42	6:01
Monday to Friday (continued over page)							

Ferry, train or bus, plan your journey with no fuss.

Get around Perth the easy way with the Transperth JourneyPlanner. Find it on the app or at transperth.wa.gov.au

Route 221 - To Armadale

Timed Stops								
Stop No.	29537 / Stand 12	10170	10176	10184	10189	10198	28898 / Stand 4	
Route No.	Cannington Stn	Albany Hwy / Royal St	Albany Hwy / Olga Rd	Albany Hwy / Dorothy St	Seaforth Stn (Albany Hwy)	Kelmscott Stargate Shop Ctr	Armadale Stn	
Monday to Friday (continued)								
pm	221	5:19	5:30	5:35	5:40	5:42	5:47	6:06
	221	5:29	5:40	5:45	5:50	5:52	5:57	6:16
	221	5:34	5:45	5:50	5:55	5:57	6:02	6:21
	221	5:44	5:55	6:00	6:05	6:07	6:12	6:31
	221	5:49	6:00	6:05	6:10	6:12	6:17	6:36
	221	5:56	6:07	6:12	6:17	6:19	6:24	6:43
	221	6:04	6:15	6:20	6:25	6:27	6:31	6:49
	221	6:11	6:21	6:25	6:30	6:32	6:36	6:54
	221	6:19	6:29	6:33	6:37	6:39	6:43	7:01
	221	6:26	6:36	6:40	6:44	6:46	6:50	7:08
	221	6:34	6:43	6:47	6:51	6:53	6:57	7:15
	221	6:41	6:50	6:54	6:58	7:00	7:04	7:21
	221	6:49	6:58	7:02	7:06	7:08	7:12	7:29
	221	6:56	7:05	7:09	7:13	7:15	7:19	7:36
221	7:11	7:20	7:24	7:28	7:30	7:34	7:51	
221	7:26	7:35	7:39	7:43	7:45	7:49	8:06	
Saturday								
am	221	7:19	7:27	7:30	7:34	7:36	7:41	7:57
	221	7:34	7:42	7:45	7:49	7:51	7:56	8:12
	221	7:49	7:58	8:01	8:06	8:08	8:13	8:29
	221	8:04	8:13	8:17	8:22	8:24	8:29	8:45
	221	8:19	8:28	8:32	8:37	8:39	8:44	9:00
	221	8:34	8:43	8:47	8:52	8:54	8:59	9:15
	221	8:49	8:58	9:02	9:07	9:09	9:14	9:30
	221	9:04	9:13	9:17	9:22	9:24	9:29	9:45
	221	9:19	9:28	9:32	9:37	9:39	9:44	10:00
	221	9:34	9:43	9:47	9:52	9:54	9:59	10:15
	221	9:49	9:58	10:02	10:07	10:09	10:14	10:30
	221	10:04	10:13	10:17	10:22	10:24	10:29	10:45
	221	10:19	10:28	10:32	10:37	10:39	10:44	11:00
	221	10:34	10:43	10:47	10:52	10:54	10:59	11:15
221	10:49	10:58	11:03	11:08	11:10	11:15	11:31	
221	11:04	11:13	11:18	11:23	11:25	11:30	11:46	
221	11:19	11:28	11:33	11:38	11:40	11:45	12:01	
221	11:34	11:43	11:48	11:53	11:55	12:00	12:16	
221	11:49	11:58	12:03	12:08	12:10	12:15	12:31	
pm	221	12:04	12:13	12:18	12:23	12:25	12:30	12:46
	221	12:19	12:28	12:33	12:38	12:40	12:45	1:01
	221	12:34	12:43	12:48	12:53	12:55	1:00	1:16
	221	12:49	12:58	1:03	1:08	1:10	1:15	1:31
	221	1:04	1:13	1:18	1:23	1:25	1:30	1:46
	221	1:19	1:28	1:33	1:38	1:40	1:45	2:01
	221	1:34	1:43	1:48	1:53	1:55	2:00	2:16
	221	1:49	1:58	2:03	2:08	2:10	2:15	2:31
	221	2:04	2:13	2:18	2:23	2:25	2:30	2:46
	221	2:19	2:28	2:33	2:38	2:40	2:45	3:01
	221	2:34	2:43	2:48	2:53	2:55	3:00	3:16
	221	2:49	2:58	3:03	3:08	3:10	3:15	3:31
	221	3:04	3:13	3:18	3:22	3:24	3:29	3:45
	221	3:19	3:28	3:33	3:37	3:39	3:44	4:00
221	3:34	3:43	3:48	3:52	3:54	3:59	4:15	
221	3:49	3:58	4:03	4:07	4:09	4:14	4:30	
221	4:04	4:13	4:18	4:22	4:24	4:29	4:45	
221	4:19	4:28	4:33	4:37	4:39	4:44	5:00	
221	4:34	4:44	4:49	4:53	4:55	4:59	5:15	