

Class Time

- a timetable/schedule app for Fitbit Versa and Ionic devices

By Olbia Coding © 2020 (version: 1 Feb 2020 – discard predated/undated versions)

11:01 am		Thu, Jan 2-DayB4	
Time	Pd	Class	Loc
9:00	1	Geography	HR
10:00	2	Science	104
11:00	Rec	Recess	
11:20	3		
12:20	4	Art	HR
1:20	L	Lunch 1	
2:00	5	Math	HR
3:00	6	Band	

Great for teachers and students – your fortnightly schedule available on your wrist!

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Reading and Using the Class Time app.

Class Time installs with sample data - Day 9 (default name "Day B4" meaning week B, Day 4) is shown below:

11:01 am		Thu, Jan 2 - DayB4	
Time	Pd	Class	Loc
9:00	1	Geography	HR
10:00	2	Science	104
11:00	Rec	Recess	
11:20	3		
12:20	4	Art	HR
1:20	L	Lunch 1	
2:00	5	Math	HR
3:00	6	Band	

TAP CENTRE OF SCREEN TO REVEAL REST OF SCHEDULE FOR THAT DAY

Tap top left corner to cycle backward through schedule

Tap top right corner to cycle forward through schedule

11:04 am		Thu, Jan 2 - DayB4	
Time	Pd	Class	Loc
4:00	pm	Careers	

11:10 am		Schedule for DayB3	
Time	Pd	Class	Loc
9:00	1	Science	HR
10:00	2	Careers	104
11:00	Rec	Recess	
11:20	3	Math	HR
12:20	4	Language	HR
1:20	L	Lunch 1	
2:00	5	Band	HR
3:00	6	Band	

11:08 am		Schedule for DayB5	
Time	Pd	Class	Loc
9:00	1	Careers	HR
10:00	2	Science	104
11:00	Rec	Recess	
11:20	3	Geography	HR
12:20	4	Sport	HR
1:20	L	Lunch 1	
2:00	5	Language	HR
3:00	6	Band	

11:20 am		Thu, Jan 2 - DayB4	
Time	Pd	Class	Loc
9:00	1	Geography	HR
10:00	2	Science	104
11:00	Rec	Recess	
11:20	3		
12:20	4	Art	HR
1:20	L	Lunch 1	
2:00	5	Math	HR
3:00	6	Band	

Tap bottom right corner to return to current day

Tap bottom right corner to return to current day

Sample Settings for Class Time app.

The sample data has 6 one hour periods, with 20 minutes recess after period 2, and 40 minutes lunch break after period 4.

The installed sample data would need to be entered in the settings for the app as shown below:

NOTE: The highlighted rows and values show the main screen data that is displayed in the image above:

Time Settings

Setting Field	Sample of what data should look like (NO SPACES and separated by commas)	Notes/meaning/default
Time Format	This only applies to the time displayed in the header bar. Select your preference, or leave as default from Fitbit account	12h will include am/pm
Start Date:	2019,9,30	30 September 2019 MUST match to a Monday of week 1 of cycle Default at start-up is: 2020,1,6
Normal Period Times	09:00,10:00,11:00,11:20,12:20,13:20,14:00,15:00,16:00	Must be 24h format. 16:00 is for end of day, and provides an after school slot (if less than 16 slots used in total)
Alternate Period Times	08:50,10:00,11:00,11:20,12:20,13:20,14:00,15:00,16:00	
Normal Period Names	1,2,Rec,3,4,L,5,6,pm	"pm" is for after-school slot. Ass = Assembly, Rec = Recess, L = Lunch
Alternate Period Names	Ass,2,Rec,3,4,L,5,6,pm	
Days that follow alternate period times	0,0,0,0,0,0,1,0,0,0	Must include all 10 days – 0 means normal times, 1 means alternate times used Tues Week B

Default naming Options (NO SPACES and separated by commas)

Class Names	Math, Language, Art, Science, Geography, Band, Sport, Careers, Religion	The position is used in schedule. e.g. "3" will mean "Art" These names could include any activities – Gym, Meeting etc
Names for each day of cycle	A1,A2,A3,A4,A5,B1,B2,B3,B4,B5	Only enter data if default not wanted (A1, A2 etc is default)
Default Room	HR	Default is "HR" for Home Room 3-4 digits max
Break Names	Recess, Lunch 1,Lunch 2, Break	First uses Code "22" in schedule Second uses Code "33" Third uses Code "44" Fourth uses Code "55"

Schedule (NO SPACES and separated by commas)

Entering 22,33,44, or 55 in relevant break times (if nothing is scheduled in those times) can aid reading the day layout

If a break timeslot has a scheduled activity, replace 22 (or 33 etc) with the required class position (e.g. "7" for "Sport")

Day 1 Schedule	6,7, 22, 4,1, 33, 2,6,7	0 means no lesson, 22 = break 1, (Recess) 33 = break 2, (Lunch 1) 44 = break 3, (Lunch 2) 55 = break 4, (Break) All others refer to class position from the class names array. e.g. "3" means the 3 rd class listed in the class names setting i.e. Art
Day 2 Schedule	9,0, 22, 8, 5, 33, 4,6,6	
Day 3 Schedule	3,1, 22, 8, 4, 33, 2,6,7	
Day 4 Schedule	1,5, 22, 7, 9, 33, 0,6,6	
Day 5 Schedule	7,2, 22, 3, 8, 33, 1,6,6	
Day 6 Schedule	4,6, 22, 8, 7, 33, 9,6,7	
Day 7 Schedule	9,0, 22, 3, 1, 33, 5,6,9	
Day 8 Schedule	4,8, 22, 1, 2, 33, 6,6,6	
Day 9 Schedule	5,4, 22, 0, 3, 33, 1,6,8	
Day 10 Schedule	8,4, 22, 5, 7, 33, 2,6,7	

Day 9 represents: 5th class (Geography), 4th class (Science), break 1 (Recess), No class, 3rd Class (Art), break 2 (Lunch 1) etc

Room Location Schedule

Special Hint:

Entering 22, 33, 44, or 55 in relevant break times (if nothing is scheduled in those times) can aid reading the day's layout.

Each room entry matches the period for that day. Period 1 of day 1 is in default room, but period 2 is in room 104.

If recess (or lunch) requires a location, replace 22 (or 33 etc) with the location code (e.g. "oval")

Day 1 Rooming	d,104, 22, d, d, 33,d, 0,0	"d" is for the default room (as per room entered in settings, otherwise "HR" will appear) "0" is for no location – the "Loc" will be left blank for that period timeslot on that day. NOTE: Could include codes for duty areas, sporting fields, etc
Day 2 Rooming	d,0, 22, d, d, 33,d, 0,0	
Day 3 Rooming	d,104, 22, d, d, 33,d, 0,0	
Day 4 Rooming	d,104, 22, d, d, 33,0, 0,0	
Day 5 Rooming	d,104, 22, d, d, 33,d, 0,0	
Day 6 Rooming	d,104, 22, d, d, 33,d, 0,0	
Day 7 Rooming	d,0, 22, d, d, 33,d, 0,0	
Day 8 Rooming	d,104, 22, d, d, 33,d, 0,0	
Day 9 Rooming	d,104, 22, 0, d, 33,d, 0,0	
Day 10 Rooming	d,104, 22, d, d, 33,d, 0,0	

Day 9 represents: default room (HR), room 104, break 1 (no room), No room, default room (HR), break 2 (no room) etc

See following page for a guide to preparing your data, ready for entering into the relevant setting field via the settings for the app (using the Fitbit app on the phone connected to your watch).

STEP 2. – Default Name settings

Work out the number of classes and other activities you would like to include and write their names in the table below.

HINT: Write them in an order that will make it easy to remember their position in the list.

REMEMBER, it is the position in this list that is required when setting your schedule for each day.

There are 4 separate names for break-times, so you do not need to add them in here. HOWEVER, include activities that might occur in some of these break-times. e.g. Teachers might include “PGD” for playground duty. This can then be included on various days of the schedule WITH DIFFERENT LOCATIONS determined in the rooming schedule.

You do NOT have to use all 16 Name Slots

Class and Activity Names

Schedule Code	1	2	3	4	5	6	7	8
Class Name								

Schedule Code	9	10	11	12	13	14	15	16
Class Name								

Names for Schedule DAYS – ONLY 2 CHARACTERS LEAVE BLANK IF DEFAULT IS OK

Day	1	2	3	4	5	6	7	8	9	10
Default	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5
New Names										

Enter Names for each of 4 available break-names

Schedule Code	22	33	44	55
Default	Recess	Lunch 1	Lunch 2	Break
New Name				

NOTE: The main advantage of using these is that you can place the codes 22, 33, 44, & 55 into the schedule as required. This can aid readability for each schedule array.

You will use a class-position code instead when you have a scheduled activity during a break-time, on any given schedule day.

Enter Default Home Room Name – Maximum 4 characters (3 if using a capital letter)

Deafault	HR
New Name	

NOTE: You will use “d” in the rooming schedules whenever a lesson is scheduled in this home room.

TEMPLATE FOR COPY AND PASTING YOUR DATA

Type in the values created during the setup process and copy/paste into the relevant setting field via the settings for the app (using the Fitbit app on the phone connected to your watch).

IMPORTANT POINT: **All entries must be separated by commas without spaces**, and must follow the format shown. Error testing had to be removed due to memory constraints, so check entries carefully and re-enter data if errors appear in the app.

Time Settings

FOR BEST RESULTS, ENSURE APP IS RUNNING WHILST ENTERING THE DATA

Setting Field	Sample of what data should look like (NO SPACES and separated by commas)	Notes/meaning/default
Time Format		12h will include am/pm
Start Date:		30 September 2019 MUST match to a Monday of week 1 of cycle Default at start-up is: 2020,1,6
Normal Period Times		Must be 24h format. 16:00 is for end of day, and provides an after school slot (if less than 16 slots used in total)
Alternate Period Times		
Normal Period Names		"pm" is for after-school slot. Ass = Assembly, Rec = Recess, L = Lunch
Alternate Period Names		
Days that follow alternate period times		Leave blank if not required Otherwise, include all 10 days – 0 means normal times, 1 means alternate times used that day.

Default naming Options (NO SPACES and separated by commas – MAX 10 characters each)

Class Names		The position is used in schedule. e.g. "3" will mean the 3 rd class in this list
Names for each day of cycle		Leave blank if happy with default *i.e. A1, A2 ... up to B5
Default Room		Leave blank for default: "HR" 3-4 digits max
Break Names		First uses Code "22" in schedule Second uses Code "33" Third uses Code "44" Fourth uses Code "55"

Schedule (NO SPACES and separated by commas)

Entering 22,33,44, or 55 in relevant break times (if nothing is scheduled in those times) can aid reading the day layout

If a break timeslot has a scheduled activity, replace 22 (or 33 etc) with the required class position (e.g. "7" for "Sport")

Day 1 Schedule		Use 0 for no lesson, 22 = break 1, (Recess) 33 = break 2, (Lunch 1) 44 = break 3, (Lunch 2) 55 = break 4, (Break) All others refer to class position from the class names array. e.g. "3" means the 3 rd class listed in the class names setting
Day 2 Schedule		
Day 3 Schedule		
Day 4 Schedule		
Day 5 Schedule		
Day 6 Schedule		
Day 7 Schedule		
Day 8 Schedule		
Day 9 Schedule		
Day 10 Schedule		

Room Location Schedule

Entering 22, 33 ,44, or 55 in relevant break times (if nothing is scheduled in those times) can aid reading the day's layout.

Each room entry matches the period for that day. Period 1 of day 1 is in default room, but period 2 is in room 104.

If recess (or lunch) requires a location, replace 22 (or 33 etc) with the location code (e.g. "oval")

Day 1 Rooming		"d" is for the default room (as per room entered in settings, otherwise "HR" will appear) "0" is for no location – the "Loc" will be left blank for that period timeslot on that day. NOTE: Could include codes for duty areas, sporting fields, etc
Day 2 Rooming		
Day 3 Rooming		
Day 4 Rooming		
Day 5 Rooming		
Day 6 Rooming		
Day 7 Rooming		
Day 8 Rooming		
Day 9 Rooming		
Day 10 Rooming		

TROUBLESHOOTING & FREQUENTLY ASKED QUESTIONS

1. Data entered in settings has not shown up on the app.

- For best results, make sure the app is running on the watch while you enter the data on your phone (We recommend setting the screen timeout to 60 seconds – and tapping it after each data entry is saved)
- To re-enter data simply, select the contents, cut and re-paste, and then save again.
- If this doesn't work, cut the contents, save with no data, then reopen, re-paste the data and save.
- If you are still having problems, then your watch is likely failing to communicate with your phone. Restart both devices and try again.

2. How can I create a 5 day cycle?

- Copy your schedule and rooming arrays from days 1 to 5 into days 6 to 10.

3. Choosing a valid start date.

- The start-date entered must be no later than the current date, so make sure you choose a date that will align correctly with your schedule.
- The start-date does NOT have to be the actual start date for your classes, it is only used to determine the position in the cycle.
- For example, if your classes commence tomorrow, enter a start-date 2 weeks previous to tomorrow's date.
- ***** The start-date can be re-entered if your schedule requirements change

4. "No Data" appears in some class fields, or there are blank spaces in other fields

- This usually means the data has not been entered correctly, or hasn't saved correctly.
- Check the data carefully for the particular field that has missing data.
- MAKE SURE there are no spaces and all values are separated by commas.
- For time entries, make sure all entries are in 24h format (09:10,10:15,13:10 etc) and each time is greater than the previous.

5. Alternate periods are not working, or are showing on an incorrect day.

- The alternate period times and names are only used for days that have a "1" in the alternate days array.
- Make sure you have a "1" in the correct slot, commas separate the entries and there are no spaces
SAMPLE: 0,0,1,0,0,0,0,1,0,0 - This will display the alternate periods on both Wednesdays of the cycle

6. My schedule has changed slightly – do I need to start again?

- NO! You can change only the parts that need changing. Remember to save the new data. Refer to point 1.