

Sonic Pi Basic Starter Cheat Sheet by samaaron via cheatography.com/166286/cs/34799/

Simple Melody play 70 sleep 1 play 72 sleep 2 play 75

```
Repetition

4.times do
   play 76
   sleep 1
   sample :bd_haus
   sleep 1
end
```

```
live_loop :sally do
    sample :bd_haus
    sleep 0.5
end
live_loop :kate do
    play 70
    sleep 1
end
```

```
with_fx :reverb, room: 1 do
    sample :guit_em9
end
with_fx :disto rtion do
    play 70
    sleep 1
    play 75
end
```

Synths	
play 60	Play note 60 with the current synth
play :e	Play note E with the current synth
play :eb	Play note Eb with the current synth
play :cs	Play note C# with the current synth
play :e3	Play note E at octave 3 with the current synth
play 60.5	Play the note halfway between 60 and 61
play :eb2 + 0.25	Play the note a quarter of a semitone above Eb octave 2
play (chord :e3, :minor)	Play chord E Minor at octave 3
play [60, :E3, 72]	Play notes 60, E (octave 3) and 72 as a chord



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Samples			
sample	:loop_amen		Play loop amen sample
sample	:loop_amen,	rate: -1	Play loop amen sample backwards
sample	:loop_amen,	rate: 0.5	Play loop amen sample at half speed
sample	:loop_amen,	amp: 2	Play loop amen sample at double volume

Randomisation	
play (scale :c3, :minor).choose	Play a random note within the C Minor scale in octave 3.
<pre>sample :bd_haus, cutoff: rrand(70, 130)</pre>	Play the bd haus sample with a random cutoff value between 70 and 130
<pre>sleep rand(3)</pre>	Sleep for a random amount of time between 0 and 3 beats.

Available Samples

Example Usage

sample :loop_industrial, amp: 1.5, rate: 0.5

Electric Sounds

:elec_triangle, :elec_snare, :elec_lo_snare,
:elec_hi_snare, :elec_mid_snare, :elec_cymbal,
:elec_soft_kick, :elec_filt_snare, :elec_fuzz_tom,
:elec_chime, :elec_bong, :elec_twang, :elec_wood,
:elec_pop, :elec_beep, :elec_blip, :elec_blip2,
:elec_ping, :elec_bell, :elec_flip, :elec_tick,
:elec_hollow_kick, :elec_twip, :elec_plip,
:elec_blup

Available Samples (cont)

Guitar

:guit_harmonics,:guit_e_fifths,:guit_e_slide,
:guit em9,

Drums

```
:drum_heavy_kick:drum_tom_mid_soft,
:drum_tom_mid_hard,:drum_tom_lo_soft,
:drum_tom_lo_hard,:drum_tom_hi_soft,
:drum_tom_hi_hard,:drum_splash_soft,
:drum_splash_hard,:drum_snare_soft,
:drum_snare_hard,:drum_cymbal_soft,
:drum_cymbal_hard,:drum_cymbal_open,
:drum_cymbal_closed,:drum_cymbal_pedal,
:drum_bass_soft,:drum_bass_hard,:drum_cowbell,
:drum_roll
```

Misc

:misc_burp,:misc_crow,:misc_cineboom

Percussion

```
:perc_bell,:perc_bell_,:perc_snap,:perc_snap2,
:perc_swash,:perc_till,:perc_door,:perc_impact_1,
:perc_impact_2,:perc_swoosh
```

Ambient

```
:ambi_soft_buzz, :ambi_swoosh, :ambi_drone,
:ambi_glass_hum, :ambi_glass_rub,
:ambi_haunted_hum, :ambi_piano, :ambi_lunar_land,
:ambi_dark_woosh, :ambi_choir, :ambi_sauna
```

Bass

```
:bass_hit_c,:bass_hard_c,:bass_thick_c,
:bass_trance_c,:bass_drop_c,:bass_woodsy_c,
:bass_voxy_c,:bass_voxy_hit_c,:bass_dnb_f
```

Bass Drums

```
:bd_pure,:bd_808,:bd_zum,:bd_gas,:bd_sone,
:bd_haus,:bd_zome,:bd_boom,:bd_klub,:bd_fat,
:bd_tek,:bd_ada,:bd_mehackit
```



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Available Samples (cont)

Loops

```
:loop_industrial,:loop_compus,:loop_amen,
:loop_amen_full,:loop_garzul,:loop_mika,
:loop_breakbeat,:loop_safari,:loop_tabla,
:loop_3dprinter,:loop_drone_g_97,:loop_electric,
:loop_mehackit_1,:loop_mehackit_2,:loop_perc_1,
:loop_perc_2,:loop_weirdo
```

Snares

```
:sn dub, :sn dolf, :sn zome, :sn generic
```

Tabla

```
:tabla_tas1, :tabla_tas2, :tabla_tas3, :tabla_ke1,
:tabla_ke2, :tabla_ke3, :tabla_na, :tabla_na_o,
:tabla_tun1, :tabla_tun2, :tabla_tun3, :tabla_te1,
:tabla_te2, :tabla_te_ne, :tabla_te_m, :tabla_ghe1,
:tabla_ghe2, :tabla_ghe3, :tabla_ghe4, :tabla_ghe5,
:tabla_ghe6, :tabla_ghe7, :tabla_ghe8, :tabla_dhec,
:tabla_na_s, :tabla_re
```

Vinyl

```
:vinyl_backspin, :vinyl_rewind, :vinyl_scratch,
:vinyl_hiss
```

Glitch

```
:glitch_bass_g,:glitch_perc_1,:glitch_perc_2,
:glitch_perc_3,:glitch_perc_4,:glitch_perc_5,
:glitch_robot_1,:glitch_robot_2
```

Mehackit

```
:mehackit_phone_1,:mehackit_phone_2,
:mehackit_phone_3,:mehackit_phone_4,
:mehackit_robot_1,:mehackit_robot_2,
:mehackit_robot_3,:mehackit_robot_4,
:mehackit_robot_5,:mehackit_robot_6,
:mehackit_robot_7
```



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