

# PLAN

## Nature Sections

- Geo-garden
- Scent town
- Lem-byrinth
- Plantarium

## Additional attractions

- Gyroscope
- Toboggan Run
- Planetarium

## Interactive Installations

### Optics

1. Prism
2. Diffraction grating
3. Lasers and lenses
- 3<sup>A</sup>. Sunspots
4. Lasers and mirrors
5. Sculpture
6. Floating illusion
7. Stationary disc
8. Optical illusion
9. Spiral
10. Breathing rectangle
11. Coloured sectors
12. Kaleidoscope
13. Two polarisers
14. The newton disc
15. Hidden colours
16. Wandering wheel
17. Crater
18. Periscope
19. Cylindrical mirror
20. Distorting mirror
21. Giant kaleidoscope
22. Facial composition
23. Two mirrors
- 23<sup>A</sup>. Mixing colours
- 23<sup>B</sup>. Mixed pictures

### Magnetism

24. Eddy currents
25. Magnet races
26. Chaotic pendulum
27. Hourglass
28. Magnetic pendulum

### Hydrostatics

29. Cartesian diver
30. The bermuda triangle
31. Water vortex
32. Hydraulic scale
33. Joule's experiment
34. Water in a spinning sphere
35. Water in a rotating cylinder

### Acoustics

36. Focusing of sound
37. Keyboard aerophone
38. Acoustic telegraph
39. Purring stone
40. Stone cimbalom
41. Pipe organs
42. Humming pipes
43. Xylophone
44. Tam-tam gong
45. Wind gongs
46. Sound speed
47. The doppler effect
48. Triangles
49. Tubular bells
50. Beats

### Supercool playground

51. Rocket
52. Single swing
53. Double swing
54. Seesaw

### Sandy planet

55. Sinusoid
56. Lissajous figures
57. Excavator
58. Draw on sand
60. Building blocks

### Scientific gym

61. First-order lever
62. Sprocket wheel
63. Reaction time
64. Lateral force
65. Hamster wheel
66. Block and tackles
67. Races
- 67<sup>A</sup>. Boxer

### Mechanics

68. Solar system model
69. A space strongman
70. Hydrogen molecule model
71. Footbridge resonance
72. Bridge
73. Abseiling
74. Spinning ball
75. Bicycle on a tightrope

76. Box pushing and pulling
77. Rope course
78. Two swings
79. Racing on a plane
80. Wobblers
- 80<sup>A</sup>. Ramp after ramp
81. Equilibrium platform
82. Deathloop
83. Carts on tracks
84. Tactile paving
85. Super bounce
86. Magic spool
87. Three forces
88. Transverse wave
89. Longitudinal wave
90. Waves in the pendulum system
91. Brachistochrone curve
92. Air cannon
93. Waves on water
- 93<sup>A</sup>. Levitating Ball
94. Newton's cradle
95. Magic cones
96. Galileo's plane
97. Compass
98. Sundial
99. Magdeburg hemispheres
100. Toboggan run
101. Bowling
102. Small merry-go-round I
103. Small merry-go-round II
104. Physics merry-go-round
105. Hollow labyrinth
107. Crazy rods

