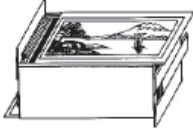


Mechanical Puzzle Classification

Examples



Mechanical Puzzle Types (Example name is bold)

1. Put -Together Puzzles-Putting the object together is the puzzle.
 - 1.1 2 Dimensional assembly puzzles (**Tangrams**, Anchor, T, jigsaw,etc.)
 - 1.2 3 Dimensional assembly puzzles -Non-Interlocking (Soma,etc.)
 - 1.3 Miscellaneous put-together-(Instant Insanity, puzzle rings, etc.)
 - 1.4 Matchstick puzzles
2. Take -Apart Puzzles-Taking the object apart or open is the puzzle.
 - 2.1 Trick or secret opening puzzles -(**Puzzle boxes**, etc.)
 - 2.2 Secret compartment puzzles (Slopes, coins, etc.)
 - 2.3 Trick locks & keys
 - 2.4 Trick matchboxes (matchsafes)
 - 2.5 Trick knives
3. Interlocking Solid Puzzles-Disassembly & assembly to solve puzzle.
 - 3.1 Figural (Animals, objects, etc.)
 - 3.2 Geometric objects (Cube, etc.)
 - 3.3 3-D jigsaw puzzles
 - 3.4 **Burr puzzles**
 - 3.5 Keychain puzzles
 - 3.6 Miscellaneous interlocking solid puzzles
4. Disentanglement Puzzles-Disentanglement & entanglement to solve puzzle.
 - 4.1 Cast Iron & sheet metal puzzles
 - 4.2 Wire puzzles (**Chinese Rings**, etc.)
 - 4.3 String puzzles (Non-rigid disentanglement)
 - 4.4 Miscellaneous disentanglement puzzles
5. Sequential Movement Puzzles-Moving parts of object to a goal is the puzzle.
 - 5.1 Solitaire puzzles (Remove pegs, counters, etc. by jumping)
 - 5.2 Counter puzzles (Rearrange counters, pegs, etc. by jumping)
 - 5.3 **Sliding piece puzzles** (2D & 3D)
 - 5.4 Rotating piece puzzles (3D-Rubik's cube ,etc.)
 - 5.5 Maze & route puzzles
 - 5.6 Miscellaneous sequential movement puzzles (Tower of Hanoi, etc.)
 - 5.7 Mazes and Labyrinths for People
6. Dexterity Puzzles-Manual dexterity is primary to solve puzzle .
 - 6.1 Throw & catch (Cup & ball, etc.)
 - 6.2 **Rolling ball puzzles**
 - 6.3 Maze dexterity puzzles
 - 6.4 Miscellaneous dexterity puzzles
7. Puzzle Vessels - Drinking without spilling, or filling a vessel is the puzzle. (**Puzzle Jugs**, Bottom fill wine & tea pots, Pitchers, etc.)
8. Vanish Puzzles - The puzzle is to explain a vanished or changed image. (**Loyd's Get Off the Earth**, etc.)
9. Folding Puzzles - The puzzle is to fold a paper or hinged object, to form a specified pattern. (2D & 3D) (**Fifth Pig Puzzle**, etc.)
10. Impossible Puzzles - The puzzle is to explain how an object was made or why it behaves in a seemingly impossible way. (**Arrow thru bottle**, celt, etc.)