

CNC Projects For Students

Animals Galore

1. Make a wooden tiger puzzle that has a head and tail that move.
2. Build a box shaped like a turtle with a secret space inside.
3. Cut a group of plywood birds that hold string loops.
4. Design a pencil holder in the shape of a shark with rough teeth.
5. Make a 3D puzzle featuring a dolphin that is jumping.
6. Build a keychain in the shape of a ladybug with red and black spots.
7. Craft a cookie cutter in the form of a bear for fun baking.
8. Make a wooden owl that has a head which can turn.
9. Make a ruler shaped like a snake that has inch marks.
10. Design a set of stackable toys that look like a penguin family.
11. Build a maze game shaped like a frog that uses a marble.
12. Cut a necklace in the form of a butterfly made from bright wood.
13. Make a lion mask that has a mane with laser-cut details.
14. Build a nut dispenser in the shape of a squirrel with doors that slide.
15. Make a bookmark shaped like a seahorse with a tail that curls.
16. Design a box with a kangaroo pouch for holding little treasures.
17. Build a wooden peacock that has feathers you can remove.
18. Cut a puzzle in the form of a polar bear with pieces shaped like ice.
19. Make a hook in the shape of a monkey for hanging backpacks.
20. Craft a wind chime shaped like a dragonfly with metal wings.

Space Adventures

21. Make a rocket ship puzzle that has stars that glow in the dark.
22. Build a nightlight shaped like the moon with craters and LED lights.
23. Cut a mobile of the solar system with planets that hang.
24. Design a cookie stamp in the shape of an alien for space snacks.
25. Build a box shaped like a star that hides a mirror inside.
26. Make a 3D puzzle of an astronaut with a helmet you can remove.
27. Craft a piggy bank in the form of a UFO with a hatch that slides.
28. Make a jigsaw puzzle with a galaxy theme that has swirling pieces.
29. Make a keychain shaped like a robot with gear details.
30. Design a bookmark shaped like a comet that has a shiny tail.
31. Build a wooden model of a satellite with panels that rotate.
32. Cut a maze game with a black hole theme that uses a marble.
33. Make a set of stamps shaped like a planet for art projects.
34. Make a puzzle that is a star map with lines for constellations.
35. Make a pencil holder in the shape of a rocket with flame details.
36. Design a mask that looks like an alien with laser-cut holes for eyes.
37. Build a toy moon rover that has wheels that move.
38. Cut a model of a space station with parts that can detach.
39. Make a paperweight shaped like a meteor with sparkly bits.

40. Craft a bracelet with a solar system theme and tiny planet charms.

Vehicles & Machines

41. Make a wooden racecar that has wheels that spin.
42. Build a helicopter puzzle with blades that rotate.
43. Cut a box in the shape of a submarine with round windows.
44. Design a coin bank in the form of a bulldozer with a scoop.
45. Build a train engine puzzle that connects to cars.
46. Make a fire truck keychain that has a small ladder.
47. Craft a wall hook in the shape of a bicycle for helmets.
48. Make a ruler that is shaped like an airplane with wing marks.
49. Make a dump truck toy that has a bed that tilts.
50. Design a puzzle in the shape of an ambulance with light details.
51. Build a pencil holder that looks like a tractor with a plow.
52. Cut a mobile in the form of a hot air balloon using fabric pieces.
53. Make a bookmark shaped like a motorcycle with handlebar details.
54. Build an excavator model that has a claw arm that moves.
55. Make a box in the shape of a sailboat with a mast that slides.
56. Design a puzzle in the form of a monster truck with large tires.
57. Build a nightlight shaped like a spaceship with LED lights.
58. Cut a model of a steam engine that has smoke stacks that puff.
59. Make a crane toy that uses a simple pulley system.
60. Craft a desk organizer in the shape of a go-kart with cup holders.

Nature Explorers

61. Make a wooden tree puzzle with leaves that you can remove.
62. Build a box in the shape of a flower with a petal lid that slides.
63. Cut a puzzle in the form of a mountain with a cave that hides inside.
64. Design a pencil holder that is shaped like a cactus with spikes.
65. Build a keychain in the shape of a sunflower that has a smiling face.
66. Make a maze game in the shape of a leaf that uses a marble.
67. Craft a puzzle with a rainbow theme that has color pieces that slide.
68. Make a nightlight shaped like a mushroom using glow paint.
69. Make a map puzzle shaped like a river using blue resin.
70. Design a pillow in the form of a cloud with raindrops stitched on.
71. Build a box shaped like a seashell for holding little treasures.
72. Cut an ornament in the shape of a snowflake with fine patterns.
73. Make a cookie cutter in the form of a pumpkin for Halloween.
74. Make a necklace in the shape of a starfish with a sandy look.
75. Make a puzzle of a bamboo forest that includes small pandas.
76. Design a diorama with a desert theme and sandpaper textures.
77. Build a mobile of a coral reef with fish in many colors.
78. Cut a model of a volcano that has a slot for lava to erupt.
79. Make a garden puzzle in the form of a butterfly with flower pieces.
80. Craft a wooden ant farm that uses clear acrylic paths.

Food Fun

81. Make a pizza puzzle with pepperoni slices that you can take off.
82. Build a box shaped like a cupcake with a lid that looks like a cherry.
83. Cut a keychain in the shape of a watermelon that shows seed details.
84. Design a wall clock shaped like a donut with sprinkles on top.
85. Build a puzzle of a gingerbread house that has candy pieces.
86. Make a pencil holder in the shape of a sushi roll.
87. Craft a bookmark in the shape of a popsicle with a slot for a sticky note.
88. Make a puzzle that looks like a chocolate bar with parts that break off.
89. Make a stackable toy shaped like a pancake with details like syrup.
90. Design a coin bank in the form of a burger with layers that look like lettuce.
91. Build a set of cookie cutters that come in geometric shapes.
92. Cut a puzzle that shows a fruit salad with apple, banana, and grapes.
93. Make a box in the shape of an ice cream cone with a lid like a scoop.
94. Make a necklace in the shape of a pretzel using twisted wire.
95. Make a maze game shaped like cheese that has holes for mice.
96. Design a puzzle in the shape of a taco with lettuce and tomato.
97. Build a popcorn bucket that has a hidden space for snacks.
98. Cut a stamp in the form of a waffle for making breakfast art.
99. Make a sign for a lemonade stand with fruit details that are carved.
100. Craft a puzzle of a chocolate chip cookie that has a real smell.

Fantasy Worlds

101. Make a box shaped like a dragon with a wing lid that opens.
102. Build a small bridge for a fairy garden with little flower cutouts.
103. Cut a puzzle in the shape of a unicorn with a rainbow mane.
104. Design a coin bank in the form of a wizard hat with star details.
105. Build a puzzle of a castle tower that has a drawbridge.
106. Make a mirror in the shape of a mermaid with shells for decoration.
107. Craft a keychain in the shape of a troll with a patch of fuzzy hair.
108. Make wall art in the shape of a phoenix with textures like fire.
109. Make a maze game shaped like a goblin with traps that hide.
110. Design a snow globe in the form of a yeti with fake snow inside.
111. Build a box like a vampire's coffin that has a latch in the shape of a bat.
112. Cut a puzzle in the shape of a centaur with parts of a horse and a human.
113. Make a trap for a leprechaun that has a rainbow and a pot of gold.
114. Make a bookmark shaped like a griffin that shows feather details.
115. Make a door like a hobbit hole with round window cutouts.
116. Design a cookie cutter in the shape of a zombie for Halloween.
117. Build a puzzle of a pirate treasure chest that comes with a map.
118. Cut a nightlight in the shape of a werewolf with fur that glows.
119. Make a riddle box in the form of a sphinx with answers that hide inside.
120. Craft a lantern shaped like a ghost with LED eyes that seem to float.

Sports Zone

121. Make a soccer ball puzzle with panels in black and white.
122. Build a coin bank in the form of a basketball hoop.
123. Cut a keychain in the shape of a baseball glove with stitch marks.
124. Design a ruler shaped like a skateboard with details of wheels.
125. Build a puzzle in the form of a tennis racket with pieces that look like a net.
126. Make a box in the shape of a football for holding game snacks.
127. Craft a bookmark in the shape of a hockey stick with a small puck charm.
128. Make an LED light in the form of a volleyball with net patterns.
129. Make a set of bowling pins that have little holes shaped like balls.
130. Design a puzzle in the form of swimming goggles with slots for lenses.
131. Build a pencil holder that is shaped like a trophy with engraved details.
132. Cut a box in the shape of a bicycle helmet for holding small things.
133. Make a keychain in the shape of a golf club with a ball marker.
134. Make a stamp shaped like a running shoe for use on race bibs.
135. Make a maze game in the shape of a lacrosse stick that uses a ball.
136. Design a puzzle in the form of a gymnast with details of a ribbon.
137. Build a clock shaped like a surfboard with patterns that look like waves.
138. Cut a holder for a stress ball in the form of a boxing glove.
139. Make a ruler in the shape of a cricket bat with marks like wickets.
140. Craft a wall hook in the form of a snowboard for storing gear.

Art & Design

141. Make a box in the shape of a wooden palette for art supplies.
142. Build a set of mosaic tiles using simple geometric CNC shapes.
143. Cut a ruler in the form of a paintbrush that shows bristle details.
144. Design a 3D sculpture with geometric shapes that fit together.
145. Build a puzzle in the shape of a canvas with splashes of paint.
146. Make a set of coasters with rainbow colors and abstract patterns.
147. Craft a picture frame from wood that has flower cutouts.
148. Make a set of clay stamps with textures carved by CNC.
149. Make a sculpture that looks like a famous painting such as Starry Night.
150. Design a tube for a kaleidoscope that has mirrors inside.
151. Build a jewelry box that features mandala designs cut by laser.
152. Cut a set of stamps from wood for use in fabric art.
153. Make a 3D nameplate that has letters in layers.
154. Make a sculpture that represents a famous artist such as Frida Kahlo.
155. Make a puzzle that shows a modern art masterpiece.
156. Design a piece of wall art with mountain layers cut by CNC.
157. Build a small model of the Eiffel Tower with lattice work.
158. Cut a set of wooden magnets that show different emoji faces.
159. Make a shadow box that has nature scenes in layers.
160. Craft a wooden locket that is engraved with floral patterns.

History Heroes

161. Make a pyramid puzzle that hides secret chambers.

162. Build a puzzle in the shape of a dinosaur bone for fossil fans.
163. Cut a model of a Viking ship that comes with shields you can remove.
164. Design a box in the shape of a knight's helmet with a lid like a visor.
165. Build a set of Roman coin replicas that have engraved details.
166. Make a puzzle of a medieval castle that has a moat and towers.
167. Craft wall art in the shape of a pharaoh's mask with gold paint.
168. Make a model of a World War II airplane that has a propeller.
169. Make a totem pole in the style of Native Americans with animal symbols.
170. Design a pencil holder in the shape of an ancient Greek column.
171. Build a puzzle in the form of an Egyptian mummy case with hieroglyphs.
172. Cut an LED lantern in the shape of a pirate ship with a skull flag.
173. Make a coin bank in the form of a samurai helmet.
174. Make a keychain shaped like a medieval shield with a crest.
175. Make a puzzle in the shape of a Mayan calendar with a sun and glyphs.
176. Design a pencil sharpener that is shaped like a Civil War cannon.
177. Build a globe puzzle from the Renaissance era that shows continents.
178. Cut a bookmark in the shape of a medieval sword with a gemstone.
179. Make a puzzle in the form of an ancient Chinese dragon with scales.
180. Craft a maze game shaped like a World War II tank that uses a metal ball.

Future Tech

181. Make a puzzle in the shape of a robot with pieces that look like gears.
182. Build a box in the shape of a drone with cutouts for propellers.
183. Cut a base for a hologram projector that has angled slots.
184. Design a 3D-printed model of a satellite with solar panels.
185. Build a keychain in the shape of a nanobot with very tiny details.
186. Make a puzzle in the form of a circuit board that has LED lights.
187. Craft a stand shaped like a smartphone that has a slot for charging.
188. Make a coin bank in the shape of a virtual reality headset.
189. Make a model of an AI robot arm that has joints that move.
190. Design a ruler in the shape of a solar panel with sun patterns.
191. Build a desk lamp in the shape of a spaceship with LED lights.
192. Cut a puzzle in the form of a quantum computer with qubit symbols.
193. Make a toy in the shape of a robot dog that has a tail that wags.
194. Make a necklace in the shape of a microchip with circuit details.
195. Make a model of a Mars rover that has an arm for collecting rocks.
196. Design a puzzle in the shape of a smartwatch with icons for apps.
197. Build a maze game in the form of a laser gun that uses mirrors.
198. Cut a cookie cutter in the shape of a robot chef.
199. Make a 3D-printed model of a brain for a science class.
200. Craft a piggy bank in the shape of a robot vacuum that has a dustbin slot.

Simple CNC Project Ideas

1. Carve simple shape patterns on wooden coasters.
2. Cut simple wall art from plywood sheets.
3. Make custom keychains with letters and shapes.

4. Carve wooden bookmarks with words on them.
5. Make a plywood desk organizer with slots for pens.
6. Make a basic wooden phone stand with slanted cuts.
7. Cut a set of wooden blocks that can stack for kids.
8. Carve a wood sign with a family name or saying.
9. Carve a candle holder with star cutouts.
10. Make a wood ruler with carved marks for measuring.
11. Cut a group of wood coasters with city skyline drawings.
12. Carve a small wood box for jewelry or trinkets.
13. Make a wood puzzle with pieces that fit like animal shapes.
14. Carve a set of fridge clips with magnets from birch wood.
15. Cut a plywood clock face for the wall with numbers carved on it.
16. Make a wood tray with handles for snacks or tools.
17. Carve a group of wood plant markers for gardens.
18. Cut a simple wood vase with curved edges.
19. Cut a group of wood hooks for keys or hats.
20. Carve a wood picture frame with flower designs.

Most Profitable CNC Projects

21. Carve custom business signs for shops or offices.
22. Make custom wood cutting boards with family names.
23. Cut detailed wall art with layered plywood designs.
24. Make custom leather goods with carved logos or patterns.
25. Cut exact furniture parts for DIY kits.
26. Carve stone or slate coasters with short quotes.
27. Make custom awards or trophies with clear text and logos.
28. Build small building models for real estate or design firms.
29. Carve glass items with letters or simple designs.
30. Make custom cookie stamps for bakeries or home cooks.
31. Cut tough templates for metal or wood work.
32. Make detailed wood maps with carved city or country lines.
33. Cut custom parts for guitars or instruments with care.
34. Carve stainless steel signs for outdoor use.
35. Make custom cake toppers for weddings or events.
36. Cut industrial molds for casting or making things.
37. Carve promotional items such as pens or USB drives.
38. Make custom signs for weddings or conferences.
39. Carve stone plaques for memorials or home decor.
40. Make custom wood watch faces with simple designs.

CNC Project Ideas for Woodworking

41. Carve detailed wood gears for toy machines.
42. Inlay a wood table with basic resin shapes.
43. Make carved wood moldings for home decor.
44. Make a pretty box with a laser-cut flower top.
45. Cut detailed cabinet doors with flower designs.

46. Make a wood puzzle with pieces that fit like animal shapes.
47. Carve a wood plaque with family crests or names.
48. Cut fancy wood legs for chairs or tables.
49. Make a chessboard with inlaid pieces of different woods.
50. Cut 3D wall panels with textures from nature.
51. Make a carved wood mantle for fireplaces.
52. Inlay a jewelry box with mother-of-pearl details.
53. Cut room dividers with lattice or leaf designs.
54. Make wood hinges for old-style cabinet doors.
55. Cut a detailed wood ceiling medallion.
56. Inlay a desk top with hidden storage spots.
57. Cut stair railings with scroll patterns.
58. Make a wood map inlaid with details of a favorite place.
59. Cut a wood lamp base with carved textures.
60. Make a carved wood utensil holder for kitchens.

CNC Projects That Sell

61. Make custom cutting boards with carved names and dates.
62. Carve leather wallets with custom initials.
63. Make custom wall letters for home decor.
64. Cut wood wine boxes with carved vine patterns.
65. Carve photo frames with carved quotes or names.
66. Make custom kitchen tools with carved handles.
67. Carve stone coasters with pet names or logos.
68. Make custom cake toppers for birthdays or holidays.
69. Carve stainless steel signs for businesses.
70. Make custom guitar picks with carved band logos.
71. Carve industrial templates for workshops.
72. Make custom keychains for brands.
73. Carve glass awards for company events.
74. Make custom wood watches with simple designs.
75. Carve stainless steel jewelry like cuffs or pendants.
76. Make custom event signs for weddings or festivals.
77. Carve stone plaques for garden decor.
78. Make custom wood toys like cars or animals.
79. Carve leather belts with custom buckles.
80. Make custom wood phone cases with carved art.

CNC Router Projects for Beginners

81. Cut a plain wood shelf with routed edges.
82. Carve a group of coasters with basic shapes.
83. Make a plywood sign with routed letters.
84. Cut a simple wood box with a sliding lid.
85. Make a wood keychain with a basic shape.
86. Carve a ruler with marks for measuring.
87. Cut a plywood puzzle with animal shapes.

88. Make a wood wall art piece with abstract lines.
89. Cut a desk organizer with slots for pens and phones.
90. Carve a small candle holder with star cutouts.
91. Cut a group of wood coasters with city skylines.
92. Carve a name tag with strong text and borders.
93. Cut a plain cutting board with round edges.
94. Cut a door stopper with a simple shape design.
95. Carve a picture frame with flower patterns.
96. Cut a wood tray with routed handles.
97. Make a set of wood magnets with fun emojis.
98. Carve a memo board with a grid design.
99. Cut a room divider with simple lattice work.
100. Cut a wood toy car with round wheels.