

Personal Project Ideas For High School

List of latest Personal Project Ideas for Students:

Science & Environment

1. Build a solar-powered phone charger with recycled parts
2. Make a garden system to grow vegetables without soil
3. Create a system to collect and clean rainwater for gardens
4. Make plant pots from newspaper and cardboard
5. Build a model showing the greenhouse effect with sensors
6. Design a water tester for local streams
7. Build a compost bin with a temperature monitor
8. Make a wind turbine from bike parts and a generator
9. Collect natural dyes from local plants
10. Make a solar oven with mirrors and household items
11. Build a water cycle model in a bottle
12. Build a weather station to track local weather
13. Create a butterfly garden with flowers
14. Make a vertical garden for small spaces
15. Make eco-friendly soap with natural ingredients
16. Build a bug hotel with recycled wood
17. Make an air purifier with plants and fans
18. Create a mini aquaponics system with fish and herbs
19. Build a solar food dehydrator to preserve fruits
20. Make a biogas generator with kitchen waste

Technology & Programming

21. Create a chatbot with Python and AI
22. Build a temperature-sensing doorbell with Arduino
23. Design an app to help students track homework
24. Make a digital art gallery for student work
25. Build a simple robot that follows lines
26. Make a voice-controlled light system with Raspberry Pi
27. Create a basic video game with Scratch programming
28. Design a website for tracking school sports scores
29. Build a random password generator
30. Make a music player with Arduino
31. Design a system for tracking classroom attendance
32. Build a calculator app with custom features
33. Create a virtual tour of your school
34. Design a smart plant watering system with sensors
35. Build a fingerprint scanner with Arduino
36. Make a phone-controlled toy car with Bluetooth

37. Design a facial recognition door lock
38. Build a motion-sensing security camera
39. Create a website for managing student clubs
40. Design a smart mirror that shows the time and weather

Art & Design

41. Paint a mural celebrating local heroes
42. Create a fashion collection from old clothes
43. Make eco-friendly furniture with only cardboard
44. Build a city model from recycled materials
45. Create a comic book about school life
46. Design a new school mascot costume
47. Make mosaic art with broken tiles
48. Build a puppet theatre from recycled materials
49. Design and print 3D jewellery
50. Build a sculpture telling a personal story
51. Make a stop-motion animation about climate change
52. Design a new school logo
53. Make a documentary about student life
54. Create a photo series about local food culture
55. Design a board game about environmental awareness
56. Build musical instruments from trash
57. Make digital paintings of future cities
58. Design playground equipment from recycled materials
59. Make a shadow puppet show about local legends
60. Create wearable art from natural materials

Business & Entrepreneurship

61. Start a smoothie bar using local fruits
62. Create a school supply exchange website
63. Design phone cases with student artwork
64. Start a weekend pet care service
65. Create a service for planning and selling tickets to school events
66. Design eco-friendly school supplies
67. Start a tutoring network for students
68. Create a healthy snack subscription box
69. Design custom t-shirts celebrating school spirit.
70. Start a mobile car washing service
71. Create a student discount card for local stores
72. Design and sell handmade greeting cards
73. Start a school recycling rewards program
74. Create an art commission booking platform for students
75. Design custom school planners and notebooks
76. Start a healthy baking delivery service
77. Create a marketplace for students to share skills
78. Design custom phone accessories from recycled materials

79. Start a school garden produce subscription
80. Create a tech repair help desk for students

Health & Fitness

81. Design an exercise routine using playground equipment
82. Make a healthy recipe cookbook with local ingredients
83. Build an obstacle course with natural materials
84. Design a stress relief garden for students
85. Create an audio guide for mindfulness meditation
86. Build an outdoor fitness station using logs
87. Design a healthy lunch meal prep guide
88. Make a stretching routine for student-athletes
89. Build a balanced training course from wood
90. Design a workout app to track student progress
91. Create a healthy snack vending machine idea
92. Build a muscle strength tester with springs
93. Design a sleep improvement tracker
94. Create a guide to prevent sports injuries
95. Build a reaction time testing game
96. Design portable workout equipment from pipes
97. Create a healthy eating challenge program
98. Build a grip strength tester
99. Design a nutrition guide for student-athletes
100. Create a yoga program for school with videos

Social Impact

101. Start a food waste reduction program at school
102. Create a mental health support network for students
103. Design an anti-bullying campaign using social media
104. Start a community cleanup volunteer program
105. Create a student stress management workshop
106. Design a water conservation awareness campaign
107. Start an elderly companion visiting program
108. Create cultural exchange club activities
109. Design a student carpooling coordination system
110. Start a school supplies donation program
111. Create a community garden teaching program
112. Design a plastic waste reduction challenge
113. Start a student mentor matching service
114. Create a homeless shelter support initiative
115. Design a student voting awareness campaign
116. Start a school uniform exchange program
117. Create a student conflict resolution service
118. Design a disability awareness education program
119. Start a local history preservation project
120. Create a student wellness support network

Engineering & Making

121. Build a working hydraulic arm with syringes
122. Create a mechanical coin-sorting machine
123. Design a portable phone charging station
124. Build a rubber band-powered car
125. Create an automated pet-feeding system
126. Design a collapsible camping stove
127. Build a mini wind speed meter
128. Create an automatic plant watering device
129. Design an emergency phone charger
130. Build a marble sorting machine
131. Create an automated window opener
132. Design a portable solar cooker
133. Build a mechanical calculator
134. Create an automated curtain opener
135. Design a water flow meter
136. Build a mini electric generator
137. Create an automatic hand sanitiser dispenser
138. Design a paper aeroplane launcher
139. Build a mechanical timer
140. Create an automated doorbell

Research & Investigation

141. Study local bird migration patterns.s
142. Investigate school energy usage patterns
143. Research native plant growing conditions
144. Study the effects of sleep patterns on students
145. Investigate local water quality changes
146. Research methods to reduce food waste
147. Study classroom noise level effects
148. Investigate soil quality improvements
149. Research student stress factors
150. Study local air quality changes
151. Investigate plant growth factors
152. Research the effectiveness of recycling
153. Study local weather patterns
154. Investigate traffic flow patterns
155. Research solar panel efficiency
156. Study classroom lighting effects
157. Investigate composting methods
158. Research wind power potential
159. Study local wildlife patterns
160. Investigate rainfall patterns

Communication & Media

161. Create a school news podcast series
162. Design a digital school yearbook
163. Produce a student life documentary
164. Create a school event photography service
165. Design a student achievement recognition program
166. Produce an educational YouTube channel
167. Create a school radio station
168. Design a student magazine
169. Produce a virtual school tour
170. Create a student blog network
171. Design a morning announcement system
172. Produce a student interview series
173. Create a school social media strategy
174. Design a student portfolio website
175. Produce school event highlights
176. Create a student storytelling platform
177. Design a digital bulletin board
178. Produce a school music playlist
179. Create a student debate platform
180. Design a school newsletter

Writing & Publishing

181. Create a student poetry anthology book
182. Write a local history story collection
183. Produce a student advice guide series
184. Create a school memories collection book
185. Write environmental awareness stories
186. Produce a student success guide
187. Create a student creative writing magazine
188. Write a local culture cookbook
189. Produce a student survival guide
190. Create a school traditions book
191. Write student experience stories
192. Produce club activity guides
193. Create a student opinion column
194. Write a local nature guide
195. Produce a student resource handbook
196. Create a school event guide
197. Write a student life journal
198. Produce a club handbook series
199. Create a student writing workshop
200. Write school sports stories

Mathematics & Logic

201. Design a math puzzle-solving app

202. Create a geometry learning game
203. Build a probability demonstration machine
204. Design a math concept visualisation tool
205. Create an algebra practice program
206. Build a statistics learning game
207. Design a fraction learning tool
208. Create a math problem generator
209. Build a geometry drawing tool
210. Design a math competition platform
211. Create a probability simulation game
212. Build a math concept quiz system
213. Design math tutorial videos
214. Create a math puzzle collection
215. Build a math game show platform
216. Design math learning cards
217. Create a math practice website
218. Build math concept models
219. Design a math challenge program
220. Create a math visualisation tool

Music & Performance

221. Create a student music streaming platform
222. Design a portable practice room
223. Build a simple electronic instrument
224. Create a music theory learning game
225. Design acoustic improvement panels
226. Build a rhythm learning tool
227. Create a songwriting workshop
228. Design a music practice tracker
229. Build a simple drum machine
230. Create a music-mixing program.
231. Design a sound effects library
232. Build a basic synthesiser
233. Create a music notation tool
234. Design a practice scheduling app
235. Build a basic amplifier
236. Create a music-teaching platform
237. Design an instrument tuner
238. Build a basic metronome
239. Create a music theory game
240. Design a performance tracker

Cultural & Historical

241. Create a local culture preservation project
242. Design a historical site tour guide
243. Build a cultural tradition demonstration

- 244. Create a folk art preservation project
- 245. Design a cultural exchange program
- 246. Build a historical event timeline
- 247. Create a cultural cooking program
- 248. Design a heritage preservation plan
- 249. Build a cultural artefacts display
- 250. Create a historical research database
- 251. Design a cultural celebration event
- 252. Build a traditional craft workshop
- 253. Create an oral history collection
- 254. Design a cultural education program
- 255. Build a historical map collection
- 256. Create a cultural awareness campaign
- 257. Design a traditional documentation system
- 258. Build a cultural learning centre
- 259. Create a historical photo archive
- 260. Design a cultural memory project

Grade 10 IB Personal Projects

- 261. Create an international food fusion cookbook with cultural research
- 262. Develop a multilingual learning app for IB students
- 263. Design a sustainable school uniform from recycled materials
- 264. Create a CAS activity planning and tracking system
- 265. Build an international music collaboration platform
- 266. Design a global issues awareness campaign
- 267. Create a TOK concept visualisation tool
- 268. Build an international student connection platform
- 269. Design a learner profile development tracker
- 270. Create an IB exam preparation resource website
- 271. Build a global perspective documentary series
- 272. Design an international art exchange program
- 273. Create a cultural identity exploration project
- 274. Build a global citizenship awareness campaign
- 275. Design an international mindedness workshop series
- 276. Create an IB subject integration project
- 277. Build a global issues solution prototype
- 278. Design an international volunteer network
- 279. Create an academic honesty awareness game
- 280. Build a global development goal tracker

General IB Personal Projects

- 281. Design an inquiry-based learning resource platform
- 282. Create an international-mindedness assessment tool
- 283. Build a global contexts exploration project
- 284. Design an ATL skills development program
- 285. Create a subject integration demonstration project

286. Build a learner profile reflection journal
287. Design a research methodology guide
288. Create an academic writing improvement tool
289. Build an international connection platform
290. Design a service learning tracker
291. Create a global issue investigation toolkit
292. Build a cultural exchange program
293. Design a language acquisition tool
294. Create a TOK presentation platform
295. Build an international research database
296. Design a global citizenship portfolio
297. Create an interdisciplinary learning project
298. Build an ethical decision-making simulator
299. Design an international collaboration platform
300. Create a personal growth documentation system

Computer Science Personal Projects

301. Build a machine-learning image recognition system
302. Create a cybersecurity awareness training program
303. Design an algorithm visualisation platform
304. Build a database management system.
305. Create a coding tutorial platform.
306. Design a network security monitor
307. Build a virtual machine manager
308. Create a programming language compiler
309. Design a software testing framework
310. Build a web scraping tool
311. Create a data visualisation platform
312. Design an API integration system
313. Build a mobile app development toolkit
314. Create a blockchain demonstration system
315. Design a cloud computing platform
316. Build an artificial intelligence chatbot
317. Create a computer architecture simulator
318. Design an operating system interface
319. Build a software development toolkit
320. Create an encryption demonstration system

MYP 5 Personal Projects

321. Create a community service impact tracker
322. Design an inquiry cycle demonstration project
323. Build approaches to learning portfolio
324. Create a personal development journal
325. Design an action research project
326. Build a service as an action platform
327. Create an interdisciplinary unit project

328. Design a global context exploration
329. Build a subject integration demonstration
330. Create a learner profile development project
331. Design an international-mindedness toolkit
332. Build an academic honesty resource
333. Create a research skills development project
334. Design a reflection journal system
335. Build a cultural exploration toolkit
336. Create a personal growth plan
337. Design an ethical decision-making framework
338. Build a global perspective development project
339. Create a service learning reflection platform
340. Design a global community connection project