

Genius Hour Project Ideas For High School

Here are 119+ unique Genius Hour project ideas for high school students across different niches:

Science and Technology

1. Build a mini wind turbine to create clean energy.
2. Design an app to track wildlife in your area.
3. Create a solar-powered phone charger from scratch.
4. Develop a water filter system using natural materials.
5. Invent a smart home device that saves energy.
6. Make a robot that can sort recycled items.
7. Design an eco-friendly car using everyday materials.
8. Create a 3D-printed prosthetic limb for animals.
9. Develop a wearable air quality monitor device.
10. Build a hydroponic garden system for growing vegetables.
11. Design a low-cost earthquake-resistant building model.
12. Create a voice-controlled home automation system.
13. Develop a natural dye made from local plants.
14. Build a working model of a hovercraft.
15. Design an app to track your carbon footprint.
16. Create a mini desalination plant for clean water.
17. Develop a biodegradable plastic alternative from plants.
18. Build a drone to monitor forest health.
19. Design a vertical farming system for urban areas.
20. Create a device that converts ocean waves into energy.

Arts and Culture

21. Paint a mural to celebrate local cultural diversity.
22. Compose music using natural sounds.
23. Create a short film about community heroes.
24. Design fashion using only recycled materials.
25. Write and perform a play on social issues.
26. Sculpt art from ocean plastic waste.
27. Organize a cultural food festival for charity.
28. Create a photo series on local traditions.
29. Design a board game about world cultures.
30. Write and illustrate a children's book on kindness.
31. Choreograph a dance inspired by different cultures.
32. Create a virtual museum for local history.
33. Design eco-friendly packaging for local products.
34. Make a documentary about local artisans.
35. Organize a community art project using trash.
36. Create paintings about climate change.
37. Design a clothing line inspired by nature.

38. Write and record a podcast about cultural stories.
39. Organize a multicultural talent show for charity.
40. Create a comic book about local legends.

Health and Wellness

41. Design a fitness app for busy teens.
42. Create healthy meal plans using local foods.
43. Develop a stress-relief program for students.
44. Design an ergonomic desk to improve posture.
45. Create a mental health awareness campaign.
46. Develop a sleep improvement app for teens.
47. Design a school garden to promote healthy eating.
48. Create a program to reduce screen time.
49. Develop a peer support system for mental health.
50. Design an obstacle course for fitness.
51. Create a mindfulness program for exam stress.
52. Develop a healthy cooking show for kids.
53. Design an app to track water intake.
54. Create a yoga program for classroom breaks.
55. Develop a campaign to promote better sleep habits.
56. Design wearable tech to improve posture.
57. Create a nutrition education program for kids.
58. Develop an app to track mood patterns.
59. Design an indoor air quality system for schools.
60. Create a community fitness challenge program.

Environment and Sustainability

61. Start a school-wide composting program.
62. Design a rainwater harvesting system.
63. Create a campaign to reduce plastic use.
64. Develop a community bike-share program.
65. Design an app for local farmers' markets.
66. Create a guide for eco-friendly school supplies.
67. Develop a system to reduce food waste.
68. Design a solar-powered outdoor study area.
69. Create a campaign for energy conservation.
70. Develop a school recycling awareness program.
71. Design a community garden for native plants.
72. Create an app for carpooling to school.
73. Develop a plan for a green roof.
74. Design reusable alternatives to standard disposables.
75. Create a program to clean local waterways.
76. Develop a zero-waste challenge for the school.
77. Design an eco-friendly school lunch program.
78. Create a wildlife habitat in the schoolyard.
79. Develop a plan for sustainable school transportation.

80. Design a system to reduce paper use.

Social Justice and Community

81. Create a mentoring program for at-risk youth.
82. Design an app to report bullying anonymously.
83. Develop a community service matching program.
84. Create a campaign to promote inclusive language.
85. Design a program to support local homeless shelters.
86. Develop a plan to make public spaces accessible.
87. Create a cultural exchange program with other schools.
88. Design an app for community problem-solving.
89. Develop a campaign to combat food insecurity.
90. Create a program to support elderly neighbors.
91. Design a system to promote diverse voices.
92. Develop a plan for equitable school resources.
93. Create a campaign to celebrate local heroes.
94. Design an app for community skill-sharing.
95. Develop a program to support LGBTQ+ youth.
96. Create a plan to improve public transportation.
97. Design a campaign to promote voter registration.
98. Develop a system for fair student representation.
99. Create a program to support local small businesses.
100. Design an app for community safety alerts.

Entrepreneurship and Business

101. Create a student-run coffee shop at school.
102. Design an app for teen budgeting.
103. Develop a school merchandise line.
104. Create a student-led tutoring business.
105. Design a program for young entrepreneurs.
106. Develop a school-based recycling business.
107. Create a student-run farmers market stand.
108. Design an app for local job opportunities.
109. Develop a social media marketing agency.
110. Create a student-led event planning business.
111. Design a financial literacy program.
112. Develop a school-based tech repair service.
113. Create a student-run graphic design business.
114. Design an app for student time management.
115. Develop a school-based car wash service.
116. Create a student-led pet-sitting business.
117. Design a program for young inventors.
118. Develop a school-based gift-wrapping service.
119. Create a student-run social media consultancy.
120. Design an app for student skill trading.

Global Issues and International Relations

121. Create a cultural exchange program with schools.
122. Design an app for learning world languages.
123. Develop a model United Nations program.
124. Create a campaign to support refugee families.
125. Design a program for global issue awareness.
126. Develop a plan for international volunteering.
127. Create a world cuisine cookbook for charity.
128. Design an app for global news literacy.
129. Develop a pen pal program with global schools.
130. Create a campaign for clean water access.
131. Design a program for cross-cultural understanding.
132. Develop a plan for global poverty awareness.
133. Create a fair trade product line.
134. Design an app for tracking global goals.
135. Develop a program for international art exchange.
136. Create a campaign for global education access.
137. Design a program for climate change awareness.
138. Develop a plan for reducing global food waste.
139. Create a student-led global issues podcast.
140. Design an app for tracking world events.

Sports and Fitness

141. Design an inclusive sports program for all.
142. Create a fitness challenge app for teens.
143. Develop a new sport or game.
144. Design an eco-friendly sports equipment line.
145. Create a program for adaptive sports.
146. Develop a plan for community sports facilities.
147. Design an app for tracking sports stats.
148. Create a campaign for good sportsmanship.
149. Develop a nutrition guide for young athletes.
150. Design a program for non-traditional sports.
151. Create a fitness program using everyday items.
152. Develop a plan for school fitness trails.
153. Design an app for team communication.
154. Create a campaign for sports injury prevention.
155. Develop a program for mindfulness in sports.
156. Design a virtual reality sports training system.
157. Create a plan for inclusive playground equipment.
158. Develop a program for sports history education.
159. Design an app for personalized workout plans.
160. Create a campaign for active transportation.

Genius Hour Project Ideas For Middle School

1. Create a mini-greenhouse for classroom plants.
2. Design a board game about local history.
3. Build a simple robot from recycled materials.
4. Start a school podcast on student life.
5. Develop a plan to reduce cafeteria waste.
6. Create a digital time capsule of today.
7. Design an app to organize homework tasks.
8. Build a model of a sustainable city.
9. Create a campaign to promote kindness.
10. Develop a school-wide recycling challenge program.

Easy Genius Hour Ideas

11. Write and illustrate a children's book.
12. Create a photo essay about your town.
13. Design a new playground game.
14. Start a classroom herb garden.
15. Make a video tutorial on a hobby.
16. Create a recipe book for family favorites.
17. Design a new school mascot.
18. Build a bird feeder from recycled materials.
19. Create a timeline of important historical events.
20. Design a poster series on good habits.

Genius Hour Question Ideas

21. How can we reduce plastic use at school?
22. What makes certain songs catchy?
23. How do different cultures celebrate birthdays?
24. Can plants grow without soil?
25. Why do leaves change color in fall?
26. How can we help local wildlife?
27. What makes a good leader?
28. How do video games affect the brain?
29. Can we make art from trash?
30. How do different languages influence each other?

Genius Hour Ideas For 4th Grade

31. Create a comic strip about a day in school.
32. Design a new type of musical instrument.
33. Build a model of the solar system.
34. Write and perform a puppet show.
35. Create a guide to local birds.
36. Design new playground equipment.

37. Build a simple weather station.
38. Create a healthy snack cookbook.
39. Design a board game about the water cycle.
40. Create a campaign to save endangered animals.

Genius Hour Ideas For 2nd Grade

41. Create a picture book about kindness.
42. Build a model of a dream playground.
43. Design a poster about healthy eating habits.
44. Create a dance to teach math concepts.
45. Build a bug hotel for the school garden.
46. Design a new classroom job or helper role.
47. Create a puppet show about friendship.
48. Design a treasure hunt with math clues.
49. Build a model of a dinosaur habitat.
50. Create a class quilt with drawn pictures.

Genius Hour Project Ideas For Elementary

51. Design a new type of fruit or vegetable.
52. Create a guide to taking care of pets.
53. Build a model of a famous landmark.
54. Design a poster series about saving water.
55. Create a time machine out of cardboard.
56. Write and illustrate a book of jokes.
57. Design a new type of transportation.
58. Create a campaign to reduce bullying.
59. Build a model of the human body.
60. Design a series of exercises for brain breaks.