



Manufacturing Design Challenge: All Terrain Bicycle


The challenge is to design a bicycle that will travel on a variety of surfaces, including pavement, dirt roads, trails, sand, and snow. The bicycle will be used by recreational enthusiasts as well as urban and rural commuters. The bicycle may utilize contemporary materials for the frame and components.

- **Frame Materials:** Carbon Fiber, Steel, Aluminum, Titanium (any singly or in combination)
- **Style:** A standard, chain-drive bicycle
- **Other Materials to be used:** Appropriate to the design and structural needs; sustainable and recycled where possible.

Applications:



For design ideas and learning resources, visit digitalsteam.autodesk.com

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For more info, contact ACUchampionship@pearson.com or visit www.ACUchampionship.com.