

Pipe Project: Windmill

Junior Level

Specifications	Study Club Value
Use the pipes and fittings to make a structure according to the following specifications: • The structure must be able to stand without falling over. • The structure must contain a part that can spin freely.	\$.02
Use the Pipe Parts worksheet to determine the cost of the pipes and fittings for your structure.	\$.03

Intermediate Level

Specifications	Study Club Value
Use the pipes and fittings to make a structure according to the following specifications: • The structure must be able to stand without falling over. • The structure must be 4 1/2 feet tall. • The structure must contain a part that can spin freely at least four times.	\$.04
Use the Pipe Parts worksheet to determine the cost of the pipes and fittings for your structure.	\$.06

Senior Level

Specifications	Study Club Value
Draw a plan for a according to the following specifications: • The structure must be able to stand without falling over. • You must use at least \$8.00 but no more than \$15.00 worth of pipes and fittings. • The structure must contain a part that can spin freely.	\$.10
Use the Pipe Parts worksheet to demonstrate that your structure can be made for at least \$8.00 but no more than \$15.00.	\$.05
Construct the structure according to your plan.	\$.05 plus a bonus of \$.01 for each foot of height.