Pipe Project: Space Station

Junior Level

Specifications	Study Club Value
Construct a space station using the pipes and fittings to	\$.02
connect six houses. Each house must have its own access	
to the outside.	
Use the Pipe Parts worksheet to determine the cost of the	\$.03
pipes and fittings for your space station.	

Intermediate Level

Specifications	Study Club Value
Construct a space station using the pipes and fittings to connect from 6 to 8 houses according to the following specifications:	\$.04
 You must be able to go to each house in the space station without having to go outside. 	
Half of all of the houses in the space station must have access to the outside.	
Each outside access must use a coupling joint.	
All modules must be connected to the passage pipes using a 2" pipe part.	
Use the Pipe Parts worksheet to determine the cost of the pipes and fittings for your space station.	\$.06

Senior Level

Specifications	Study Club Value
Draw a plan for a space station that uses no more than \$20.00 worth of pipes and fittings to connect as many houses as you can according to the following specifications:	\$.10
 You must be able to go to each house in the space station without having to go outside. 	
Half of all of the houses in the space station must have access to the outside.	

Each outside access must use a coupling joint.	
 All modules must be connected to the passage pipes using a 2" pipe part. 	
Use the Pipe Parts worksheet to determine the cost of the pipes and fittings for your space station.	\$.05
Construct the space station according to your plan.	\$.05 plus a bonus of
	\$.01 for each house
	that you are able to
	connect according to
	the specifications.