

# Score Sheet for 2017 Fluor Engineering Challenge

## Bead points

Enter the number of beads remaining in each layer **after water has stopped flowing** (starting with zero counting from the top, so the highest layer is Layer 0).

Multiply the layer number by the number of beads and by 100 to get the points for that layer. Beads that fall out of the machine are not worth any points. Add up points for each layer to get your total bead points.

	Layer	x Number of beads	x100 = Points per layer
	0 (top)		
Layers below top	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	Fell out		0
	<b>Total bead points</b>		

## Material points

Enter the quantity of each item used in your *final* design (items used during prototyping do not count). Multiply by the point value for each item, then add up the values to calculate your total material points.

Item	Max allowed	Quantity used	x Points each	= Subtotal
Large cup	10		100	
Small cup	20		50	
Aluminum foil sheet	20		50	
Popsicle stick	50		10	
Scotch tape	1 roll		100	
<b>Total material points</b>				

## Total Score

$  \begin{aligned}  \text{Total score} &= \text{Bead points} - \text{Material points} \\  \underline{\hspace{2cm}} &= \underline{\hspace{2cm}} - \underline{\hspace{2cm}}  \end{aligned}  $
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