

Grade 7 Technology week 6

This week you will build your cell phone tower model. Remember to cross check that you meet all the design brief specifications. Also remember that you will have to bring the model to school to present it, so keep the size and how you will transport it in mind.

Here is the rubric for the cell phone tower. Also look at the criteria that you will be graded on and use it to help you on which areas to focus on when you build your cell phone tower model.

Good luck!

Rubric for a cell phone tower

Category	3	2	1
Technical knowledge	A clear and accurate understanding of structural principals.	A somewhat accurate understanding of structural principals.	A lack of understanding of structural principals.
Criteria	The criteria set out in the design brief were met.	Some of the criteria set out in the design brief were met.	None of the criteria set out in the design brief were met.
Construction - materials	Appropriate materials were selected and they were used in a successful way to create a sturdy product.	Appropriate materials were selected and they were attempted to be used in a successful way to create a somewhat sturdy product.	Inappropriate materials were selected and they contributed to a product that performed poorly.
Construction – Care taken	Great care was taken in the construction process so that the structure is neat and attractive.	Construction accurately followed the plans, but a few details could have been refined for a more neat and attractive product.	Construction appears careless and haphazard. Many details need refinement for a neat or attractive product.
Function	Structure holds up very well under typical stresses.	Structure holds up marginally under typical stresses.	Fatal flaws with complete failure under typical stresses.

Total marks: