

STUDY AN EXISTING A CELL PHONE TOWER P.GS 117-118

NB: This section continues from week 1- worksheet 1. All worksheets are integrated for weeks one and two.

Classroom activity 6: 118

1. Two drawings of a 2D and 3D cell phone tower and all its features labelled.
2. You could list other features and purposes of the towers.

Tower features	Purpose of feature
Wide base	A stable structure must have a firm base that will prevent it from falling down. A bigger base helps to hold the weight of the whole structure.
Stability	Structures must be stable and shouldn't fall over. Guys are used to improve the structures ability.
Ties beams	A horizontal beam used to prevent two other structural members from spreading apart or separating.
Columns	A vertical structural elements that transmits the weight of the structure above to the other structural elements below.

3. It must be strong and stable that is all structural elements are to be considered. It needs to be functional to transmit signal. It needs to be reinforced using reinforcing techniques and consider all design considerations. It should not cause visual pollution.

TECHNOLOGY- GRADE:7

“Design and make a cell phone tower. The tower needs to be strong and sturdy and not cause visual pollution”.