SANGAM SKM COLLEGE – NADI

YEAR 13

APPLIED TECHNOLOGY

WORKSHEET: 4

Question 1 Material science

Draw and label the three types of Primary bond in the spaces provided given below.

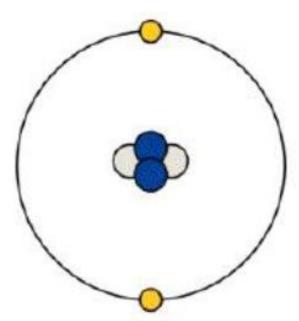
1	
1	

Question 2 Material Science

Given: Atomic Structure.

Required:

i. Label the parts of the Atomic structure.



ii.	Write the formulae to	calculate the num	iber of electrons in t	the outermost shell

Question 3	Design				
	_	ous about leaving their homes unattended at night and during holidays			
	the risk of being burgled				
	gn a burglar bar unit t				
Specification of the second of		101 u 2 Itulie Wildow.			
	r bar unit should be:				
The Surgion	1. strong, stable and rigid.				
	2,				
		easily mounted to the window frame.			
		made from a combination of metal and wood.			
Requireme					
_		orial sketches of the burglar bar unit .			
Possible Sol		Possible Solution 2			
(b) Eva	luate under the followir	ng headings			
	Materials				
2.	Ergonomics				
3.	Strength				