

ADDITROM SCHOOL

Motto: the truth giveth light and peace

BASIC DESIGN AND TECHNOLOGY – PRE-TECHNICAL SKILLS **ASSIGNMENT FOR JHS 1 – MARCH 2020**

Answer all questions

Study the situation below and answer the questions that follow;

Most young children below the age of two, find it difficult to toddle. In the course of toddling, they often fall down and injure themselves. This sometimes results in broken legs, hands as well as bodily pains.

1. (a) Write your brief for the above situation.
(b) Write in order the stages you will follow to solve this problem.
 - a) Write two reasons for investigation before solving a problem
 - b) Write two analysis for the following factors;
 - Functions
 - Material
 - Economics
 - Ergonomics
 - Aesthetics
 - Safety
 - c) State any four methods of gathering data to solve the problem
 - d) Generate any two possible solutions with sketches and notes.
2. (a) What are electrical appliances?
(b) List any five home appliances you know.
(c) List the colour code of wire in a 13amp plug and state its uses.
(d) sketch the three pin plug with a fuse.
3. (a) i. Explain the Ghanaian concept about colour.
ii. Explain the scientific concept about colour.
(b) State the Ghanaian meaning of the following colours:
 - i. Red:
 - ii. Blue:
 - iii. Yellow:
(c) Copy and complete the table below.

Element of design	Man-made	Nature
Dot		
Line		
Shape		
Texture		