



COURSE PROJECT; INTEGRATED SCIENCE FOR UPPER PRIMARY I (ISCP 253) STUDENT TEACHERS TO DESIGN LABORATORY ACTIVITIES TO PREVENT RUST FORMATION

Rusting causes iron to become flaky and weak, degrading its strength, appearance and permeability. Rusted iron does not hold the desirable properties of iron. The rusting of iron can lead to damage to automobiles, railings, grills, and many other iron structures.

Many buildings made up of reinforced concrete also undergo structural failures over long periods of time due to rusting.

Rusted iron can be a breeding ground for bacteria that cause tetanus. Cuts from these objects that pierce the skin can be dangerous.

Since rusting occurs at an accelerated rate in humid conditions, the insides of water pipes and tanks are susceptible to it. This causes the pipes to carry brown or black water containing an unsafe amount of iron oxides.

It is against this backdrop and many more, that have necessitated activity based enquiry into rust prevention.

Student teachers are to design a laboratory activity to prevent rusting.

MARKING SCHEME

Introduction	3
marks	
Content; Detail account of the preventive method being used	10 Marks
Pictorial evidence of the various stages of the activity	7 Marks
Disadvantages of the preventive method used	5 Marks
Conclusion	5
Marks	