

INDEPENDENT LEARNING PROJECT TASK SHEET

Subject: SCIENCE Y8	Project title: Periscope
Project task: Design and make a model periscope.	

In your report:	
<p>You should:</p> <ul style="list-style-type: none"> DESCRIBE how a periscope works, using a diagram to help. STATE the materials used to make it. EXPLAIN how you managed to keep the mirrors fixed at the correct angles. Mention any difficulties you faced. 	<p>You could:</p> <ul style="list-style-type: none"> JUDGE how well the model works when using it at home. EVALUATE your design – say how it could be improved if you had better materials and more time. COMPARE the accuracy of your model to a shop bought one.

Use the Learning Levels below to help you see what you should be aiming to achieve.

Learning Levels	
LL5	I have described in detail how a periscope works and noted some of its uses. I have built a working model which is relatively stable so that the mirrors stay in position during use. A fully labelled diagram of my model has been included. I have evaluated my design.
LL4	I have written a fairly detailed account to accompany my labelled diagram. My model works but isn't always stable during use. I have included a brief evaluation and described any difficulties I had when making my model.
LL3	My written account is lacking in detail but I have included a labelled diagram. My model works to a certain degree but could be better constructed. My evaluation could be more detailed.
LL2	I have attempted to explain how the periscope works and <i>tried</i> to make the model but was not very successful. I am able to show my teacher how far I got.
LL1	I have written some information about how a periscope works and mentioned its uses. I have not made the model.