



Highly Commended

# Models & Inventions

## Year 5-6

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# Tapir's Digestive System

## **What is the scientific principle demonstrated in my model?:**

The scientific principle demonstrated in my model is how the tapir's digestive system is uniquely adapted to its environment. For example this lets them eat poisonous plants and shrubs from the rainforest. Tapirs convert this food into energy to grow, survive and run away from predators.

## **How was the entry made? Including any adult help needed in its construction:**

My Dad and I made the model by cutting wood, foam, and corflute into the shape of a tapir. I cut holes in the model to make an opening, where I put the organs which I moulded from plasticine . I used the cut-out shapes as lids and my Dad helped screw the handles into the corflute to make it stay. We both painted the tapir black and white. I wrote the facts which are on the back of the lid, which my Dad edited.

## **Any problems that occurred and how you overcame those problems:**

Some problems I faced were planning what it was going to look like. I over came the this problem by making multiple design options which I discussed with my Dad. We expanded one of these ideas in to the final model I have created.

## **How to operate your model or invention:**

My model is very easy to operate. To see information just pull the handle up and flip it over to see each fact.