



On Now at the
South Canterbury
Museum

Rediscovering Richard Pearse

Richard's challenge was to design and build an engine that was lightweight yet powerful enough to provide the lift needed to get his aircraft airborne.

Richard would have read about the petrol-powered internal combustion engines which were being developed from the 1880s. He had to build his own engine but first he had to make the tools to make the engine! It is possible that his engine could have produced 15 horsepower.

**Why did the kid study in the air-plane?
Because he wanted a higher education!**

How does a bird with a broken wing manage to land safely? With it's sparrowchute !

An artist impression of what that first flight may have looked like!!



**Q: What do you call a flying police officer?
A: A helicopper!**

First flight:

The beginning

No one knows exactly when Richard began working on the problem of flight. But he took a great interest in developments elsewhere in the world, and was aware of the pioneering glider efforts of Otto Lillienthal in the 1890s. Richard Pearse may even have begun building a plane by 1899.

Come and explore FLIGHT at the South Canterbury Museum on Tuesday 30 August at 3.30pm

explore some of the principles of flight for both people and birds, make models and watch the film



We explored
Retro Techno
in June ...

Some of the quizzes were quite hard and sorry girls but I think the boys made more money in the Merchant Adventurer Game. Try this link for another go! http://www.theyorkcompany.co.uk/games/be_a_merchant/

HOW BIRDS FLY

There are two natural forces that a bird must overcome so that it can fly:



Gravity - the force that draws all objects to the ground. (If you let go of an object from your hand, it will fall to the ground because of gravity.)

Drag - the force that slows things down. (If you move your flattened hand, palm forwards, through the air, this is the force you feel on the palm or back of your hand.)



Explore FROGS
at the
South Canterbury
Museum
on Thursday



29th September at 3.30pm
have you heard any frogs recently?
Did you know frogs can survive being frozen!