

Everyday materials, all of them can be useful
Wood is made out of trees, plastic's soft and pliable
Paper is for writing on, cans are made of aluminium
When a material's done it's thing
Make it new by **recycling**

Wood, plastic, paper and **cans**
We use them every day
Recycle them if you can
So they may be used in a different way

What is a material? It's the matter something is made from
Some could be used to build a bridge over a big canyon
A beam bridge is a basic kind of bridge which has a simple design
A tower's built to stand alone
Although it's not always on its own

*[some towers are joined onto buildings]
[and some are joined onto bridges]*

Triangle is a shape
Made up of three sides
It is strong which makes it great
For bridges or for towers and lots more besides

Natural materials are obtained from living things
But man-made materials are manufactured by human beings
Building a suspension bridge requires some materials which
Might be natural or man-made
They must be strong either way

*[materials must be really strong to hold up a bridge]
[what kind of materials can do that?]*

Thick wire rope you see on a bridge
That's called cable, it's true
Bamboo fibre comes from plants
But it can hold a bridge, yes it's able to

[Wow, a bridge made from plants?!]

Aeroplanes fly up high with their wings fixed on the sides
Flight means moving through the air, flying here, there, everywhere
Wilbur Wright and Orville Wright were brothers who developed flight
They built the world's first aeroplane
They must have had very clever brains

Orville and Wilbur Wright
They made a clever design
They planned a machine which could take flight
Now aeroplanes fly around all of the time

[make aeroplane noise]

Structure is the word we say for things that are built in different ways
Something brittle can easily break, like ceramic made of clay
Rope is like string, it's round and long
But it has a structure thick and strong
Cardboard is like paper, except
It's thick and stiff, just like you'd expect

Rope, cardboard and ceramic
With structures of different kinds
Strong or brittle, thin or thick
Everyday materials that you can find

Everyday materials, all of them can be useful
Like a sponge, soft and light, it soaks up water 'til it's full
Squeeze that sponge inside your hand, press your fingers firmly and
Out comes the water, watch it pour
Twist and turn it, you might get some more!

[Squeeze!]

[Twist!]

Transparent materials
Are ones that you can see through
Opaque is the opposite
It blocks the light completely, so you can't see the view

Everyday materials, all of them can be useful
Whatever they look like, whatever they do
They make the things we use every day, it's true