



# SCIENCE FUNFAIR

Static electricity is quite useful in our day-to-day lives

And

It can also be a lot of 'Science- fun'.

If small bits of thin paper

OR

small pieces of newspaper are lying on the floor,  
they can be picked up without touching them.

Material :

05 small pieces of thin paper

01 Plastic comb

01 Woolen sweater or shawl

At least one person participating in this fun experiment should  
have dry (non-oily) hair

01 dish

Start Science- Fun Experiment :

Place the small pieces of the thin paper on the table or on the floor.

Place a dish next to them.



Vigorously move the comb through someone's dry hair and immediately take the comb of the teeth near the pieces of paper.

The pieces of paper will jump up and stick to the comb.

Now slowly take the comb near the dish and tap lightly.

The pieces of paper will fall into the dish.

Now rub the comb against the sweater or shawl and repeat the steps described above.

This time too the pieces of paper will jump up and stick to the teeth of the comb.

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### The Science-Fun behind it..

When the comb is rubbed against dry hair or a woolen shawl or sweater, it becomes negatively charged. The paper is positively charged, which means it will form a natural attraction to the static from the comb.

When the comb is placed above the paper, the paper pieces fly up and attract. Why do the pepper pieces attract?

Because paper pieces are light, so they are quick to get attracted to the comb.

After a while the electric charge gets absorbed into the atmosphere and the stuck paper pieces fall down (when the comb is tapped lightly).

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### Science-Fun-Findings :

- ◆ Instead of a plastic comb what can be used?
- ◆ What will happen if we take gelatin paper or tracing paper instead of newspaper pieces?
- ◆ Water is running from the tap. If you charge a comb and take it near the flow of water...Guess what will happen?

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