

# HOW DO THEY... *Recycle Paper?*

A National Film Board of Canada Production

## How Do They...?

*"Splendid attention grabbers, complete ideas presented with intelligence and style in a compact time period."*

—Toronto Sun



**How Do They...Recycle Paper?** is one of a series of short and snappy videos that reveal the mysteries behind how everyday things happen.

Each of these fascinating little videos is without words, making them ideal cross-curricular aids for teachers. And the videos answer questions that kids often ask!

In **How Do They...Recycle Paper?**, find out what happens to all that paper we put in our recycling boxes. A user's guide is printed on the back of this videojacket.

Director: Winston Washington Moxam

Producer: Jennifer Torrance

4 minutes

Order number: C0199 210

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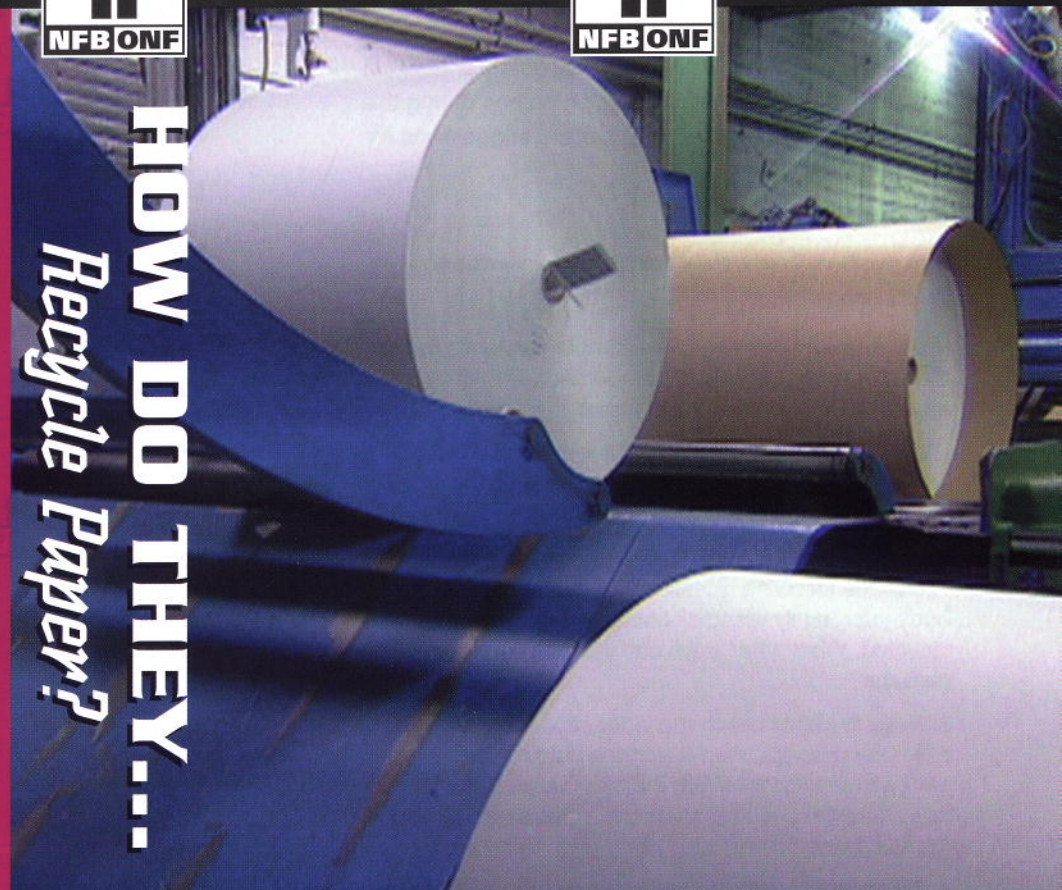
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National Film Board of Canada  
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Montreal, Quebec H3C 3H5

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*Recycle Paper?***



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VHS  
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# How Do They...

## *Recycle Paper?*

This guide explains what you see on-screen during this **How Do They...?** video, and it offers suggestions for classroom use.

### **Suggested Activities for the Elementary Classroom**

This video explains one of the simple mysteries in life, encourages creativity and can be used in a variety of ways to enrich elementary classroom activities.

The following are suggested activities for Language Arts (to aid in descriptive writing and in sequencing), Social Studies (examining the importance of primary and secondary industries) and Art.

1. Use the following questions as discussion-starters: Does your family recycle? Make a list of what gets recycled. What other ways can your family reduce garbage?
2. Have students watch the video, describe and write down the process, then watch the video again. What parts did they miss? What did they notice the second time? Use the description on this videojacket to help in this exercise.
3. Students can create their own recycling bins by covering cardboard boxes with magazine picture collages and sealing them with water-based varnish.
4. Have students research and explore unusual terms such as *pulp*, *flotation cells* and *imperfections*. Challenge the class to use some or all of them in a poem, descriptive paragraph or short story.

**Director:**  
Winston Washington  
Moxam

**Camera:**  
Owen Jin

**Editor:**  
Greg Nosaty

**Location Sound:**  
Greg Nosaty  
Saul A. Henteleff  
C. Dwayne Crowe

**Sound Editor:**  
Saul A. Henteleff

**On-line Editor:**  
Tony Wytinck

**Sound Mixer:**  
Bruce Little

**Producer:**  
Jennifer Torrance

**Executive  
Producer:**  
Svend-Erik Eriksen

4 minutes

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### **Recycling Paper**

The first step in the recycling of paper is de-inking, which happens in large, circular de-pulper tanks. The paper swirls around in the tanks until it is broken down into a grey pulpy liquid. The ink floats on top as an oily grey foam. Two large vats, called flotation cells, inject air into the pulpy water. This step helps to break down the fibres.

A rotating scoop dumps the pulp into long, rectangular, acid water clarifier tanks where the pulp is cleaned. Large rollers remove some of the moisture. A thick mixture of paper fibres remains that is ready for reuse.

Elsewhere in the mill, cut logs move along a conveyor belt. They tumble through a spray of water and are debarked. Then the logs move along a belt into a chipper that is turned by a huge clogged wheel. Here the logs are cut into small chips. Big square grinders break the chips down into steaming pulp. The watery pulp washes down, is mixed with the recycled fibres (half-and half) and made into paper.

The entire **How Do They...?** series is available from the National Film Board of Canada. Titles include **How Do They...Braid Rope? ...Put the Centers in Chocolates? ...Knit a Chain-Link Fence? ...Make Potato Chips? ...Recycle Steel? ...Make Money? ...Make Oatmeal Cookies? and ...Recycle Paper?**