

COLLECTING

Paper packaging waste is collected and transported to the recycling plant.

Sorting

Once used the paper is sorted at home.



Separating

In the recycling plant paper and board are separated in several categories.

PULPING

A slurry - also called pulp - is made from chopped papers, water and chemicals.



PULP SCREENING

This slurry is screened to remove contaminants like plastic, insoluble coatings or staples, for example.

DE-INKING (optional)

The next step is optional and depends on the grade of paper. It consists in the removal of the ink from the paper fibers of the pulp.

Paper recycling process

PAPER MAKING



Drying / Pressing

The pulp is pressed and dried to remove water and form a sheet of paper.

Use of the paper

Coated-paper can be used to pack food, protecting the product and giving a nice appearance and useful information to the customer.

PROBLEMS with Coatings

Coating improves barrier properties of the paper (water, oxygen, availability, etc.). However, they can complicate the recycling process creating a lot of contaminants.

Paper Coating

After the papermaking process, a coating is applied to the paper surface to improve the paper properties.



During the washing stage, the filter can be clogged because of the non-soluble polymers (plastics) contained in the pulp.



This waste is going to landfill or incinerated. It represents a significant loss of paper yield.

loss of paper yield
more waste
financial loss



When using soluble coating material

like CareTip® by Lectigo, no waste is produced.

CareTip® biodegrades in water, pulp passes through the filters without sticky residues and paper is fully recovered!

Making Paper Focus Recycling

Daniel F McAuley

Making Paper Focus Recycling:

Engaging Students in Academic Literacies María Estela Brisk, 2022-12-12 The second edition of this important and practical text provides specific information to guide teachers in planning and carrying out genre writing instruction in English for K-8 students within the content areas. Informed by systemic functional linguistics (SFL), a framework conducive to instruction that views language as a meaning-making resource, this book guides teachers by presenting concrete ways to teach writing in the language arts, science, and social science curricula. Introducing theory of language that is effective in addressing the writing development of all students, especially multilingual, multicultural groups, the book provides essential scaffolding for teachers to design and implement effective, inclusive curricula while building their own knowledge. Fully up to date, the second edition features new genres appropriate for middle school examples of student writing, an expanded focus on genre pedagogy, a new chapter on bilingual learners, guidance for teaching in the middle grades as well as clear steps to prepare genre units based on two decades of experience working with whole schools. The chapter units cover distinct genres, including memoirs, historical genres, fictional narratives, arguments, and more. With ready-to-use tools, the new edition prepares elementary and middle school teachers to meet and adapt to the variable demands of their own educational contexts. Easy to navigate, this teacher-friendly text is an essential resource for courses in academic writing, English education, and multilingual education, and for pre-service and practicing English Language Arts (ELA) teachers who want to expand their teaching abilities and knowledge bases.

Materials Interactions Relevant to Recycling of Wood-based Materials Roger M. Rowell, Theodore Laufenberg, Judith K. Rowell, 1992

Cycles of Knowing and Growing Barbara Ann Novelli, AIMS Education Foundation, 1998

Examines the science theme patterns of change. Cycles and trends are two types of patterns explored.

Nanotechnology-Assisted Recycling of Textile Waste Prashansa Sharma, Shilpi Shree Sahay, 2025-02-27 Discover how innovative nanotechnology can turn waste into opportunity, offering insights and strategies to create a greener, more eco-friendly textile industry. This book investigates nanotechnology-assisted sustainable solutions and their potential to transform waste into opportunity by fostering innovative designs and in-depth knowledge of sustainable waste management and nanotechnology applications. Divided into four comprehensive parts comprising 16 chapters, *Nanotechnology-Assisted Recycling of Textile Waste* provides insights into the potential of nanotechnology in revolutionizing textile recycling and shaping the future of sustainable textiles. Part I sets the stage with an insightful overview of textile waste and management, exploring the conceptual dimensions and challenges in handling and organizing textile waste. It also describes the innovative realm of textile recycling. In Part II, the spotlight shines on comprehensive, sustainable, and productive recycling of waste using nanotechnology. Here, readers are invited to explore the transformative contributions of nanotechnology in shaping sustainable textile design and characterizing functional properties of novel recycled nano-textiles. Future perspectives of nanotechnology in textile applications, particularly concerning waste recycling, are also examined. Part III explores deeper into

the advanced application of recycled and nano assisted novel textiles generated through waste From sports textiles to technical textiles this section explores the diverse applications of recycled waste bolstered by nano engineered innovations Finally Part IV addresses the critical aspects of quality control and regulatory compliance in the realm of advanced nano textile materials through an exploration of global legislation schemes and standards Readers will find in this book research findings and innovative approaches to cope with the challenges and issues of textile waste systematic and scientific knowledge on textile waste recycling techniques using nanotechnology knowledge of complex scientific research findings in a simple and understandable form comprehensive coverage of a broad range of topics including sustainable textile waste management Audience The book will be read by a range of researchers engineers and students in technical textiles textile technology and engineering textile chemistry fiber science textile processing technologies and manufacturing fashion and apparel technology materials science environmental science This book will help designers and clothing manufacturers and all those in textile and environmental domains who are engaged in waste management Progress in Paper Recycling ,2003

Creating Recycled Materials Markets for Mixed Office Paper Resource Recycling Systems (Firm),1993 **Science in Your World: Activity book teacher edition** Jay K. Hackett,1991 Congressional Recycling Act of 1990 United States.

Congress. House. Committee on House Administration. Subcommittee on Procurement and Printing,1991 **Ground Rules**

in Humanitarian Design Alice Min Soo Chun,Irene E. Brisson,2015-05-08 Delve deep into the complex issues surrounding humanitarian design **Ground Rules in Humanitarian Design** establishes essential foundations for thinking about humanitarian design and its role in global change Outlining a vital framework for designing for impoverished and disaster stricken communities this informative guide explores the integration of culture art architecture economy ecology health and education Experts on land health water housing education and planning weigh in with best practices and critical considerations during the design process and discussion of the environmental considerations and local materials skills will broaden your understanding of this nuanced specialty Richly illustrated this guide combines graphic documentation of projects maps and data tracking developments from Asia Africa and the Americas to underscore the complexities of this emerging and evolving field The ambition to provide humanitarian architecture for areas in acute need is driving design innovation worldwide among both practitioners and educators This book provides an indispensable resource for those engaged in the search for the sustainable inclusion of cultural code and compassion as a technology for design innovation Learn how to approach the problem of humanitarian design Understand the cultural factors that play into development Develop a new framework for planning post disaster design See how humanitarian design is pushing the industry forward While still in college students are being given the opportunity to directly participate in programmes that provide vital facilities for communities abroad While these international initiatives remain largely ad hoc this book provides parameters for engagement and establishes best practices for approaching these projects with a global perspective With expert insight

and practical strategies on the ground Ground Rules in Humanitarian Design is an essential resource for architects at any level **The Earth's Resources** Richard Spilsbury,Louise Spilsbury,2006 Focuses on the Earth's natural resources like air water wood minerals and wind discussing how they are used how long they might last how they might be conserved and the use of sustainable resources **Paper Recycler** ,1998 *Paper Recycling* Ken L. Patrick,1991 Green Business

,2012-07-15 Gain the Eco Advantage in Today's Business World Do you have a go green or go home attitude If so you've got the right outlook for today's business world Discover how to establish your business as a green business starting at the ground level and starting now From helping you explore environmentally friendly opportunities to choosing eco friendly means of production our experts take you step by step and show you how to protect our planet while building your business Learn business basics with a green twist including financing office setup day to day operations and so much more Discover your business and your green competitive edge Create a sustainable business model no matter what business you choose Get funding from green lenders Manage your company's carbon footprint Incorporate practical and innovative earth friendly solutions at every stage Establish an environmentally responsible business culture Use effective marketing to capture customers and keep them coming back And more Plus gain innovative insights ideas and concepts from 22 successful green businesses The First Three Years In addition to industry specific information you'll also tap into Entrepreneur's more than 30 years of small business expertise via the 2nd section of the guide Start Your Own Business SYOB offers critical startup essentials and a current comprehensive view of what it takes to survive the crucial first three years giving you exactly what you need to survive and succeed Plus you'll get advice and insight from experts and practicing entrepreneurs all offering common sense approaches and solutions to a wide range of challenges Pin point your target market Uncover creative financing for startup and growth Use online resources to streamline your business plan Learn the secrets of successful marketing Discover digital and social media tools and how to use them Take advantage of hundreds of resources Receive vital forms worksheets and checklists From startup to retirement millions of entrepreneurs and small business owners have trusted Entrepreneur to point them in the right direction We'll teach you the secrets of the winners and give you exactly what you need to lay the groundwork for success BONUS Entrepreneur's Startup Resource Kit Every small business is unique Therefore it's essential to have tools that are customizable depending on your business's needs That's why with Entrepreneur is also offering you access to our Startup Resource Kit Get instant access to thousands of business letters sales letters sample documents and more all at your fingertips You'll find the following The Small Business Legal Toolkit When your business dreams go from idea to reality you're suddenly faced with laws and regulations governing nearly every move you make Learn how to stay in compliance and protect your business from legal action In this essential toolkit you'll get answers to the how do I get started questions every business owner faces along with a thorough understanding of the legal and tax requirements of your business Sample Business Letters 1000 customizable business letters covering each type of written business

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Technical Association of the Pulp and Paper Industry ,1971 Harcourt Science: Earth science, [grade] 3, units C and D, teacher's ed ,2000 Collection of Data Pertinent to the EPA's Development of Guidelines for Government Procurements of Paper Products Containing Recycled Materials Franklin Associates,1979 The Environment Kim Masters

Evans,2010-04-09 The Information Plus Reference Series provides statistical data on 32 of today's most controversial and most studied social issues Each Information Plus title is a compilation of current and historical statistics with analysis on aspects of one contemporary social issue such as abortion capital punishment and genetic engineering Each title is divided into chapters that are devoted to a particular topic The text provides a clear and comprehensive summary of up to date research on the topic and is interspersed with the statistical tables charts and graphs Each table is directly referred to and carefully explained in the text Business Week ,1970

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Making Paper Focus Recycling Introduction

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