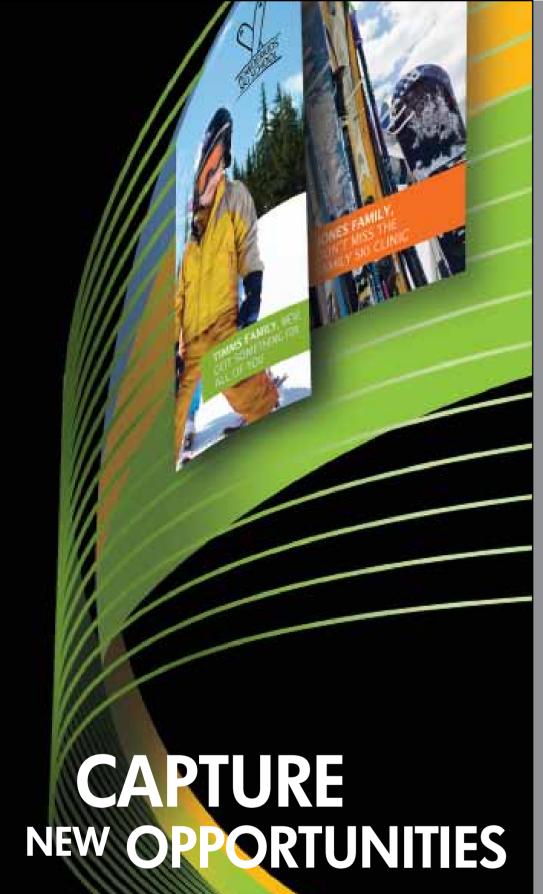
HP INKJET WEB PRESSES AND DIRECT MARKETING

COLORADO

Highly **Productive.** Uniquely **Relevant.** Extremely **Effective.**





Increase revenue opportunities as you transform your production environment with high-speed digital performance.

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Inkjet Web Presses
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ectiveness at the same time



Making direct marketing relevant, effective, and profitable.

Why change traditional direct marketing methods?

Effective marketing is about reaching the right person at the right time with a message that is relevant to them. For decades, marketers have been using direct marketing as a tool to achieve this goal with varying degrees of success. Sent in bulk and with little consideration to the target audience's preferences, a lot of direct marketing has been based on the premise that if you reach enough people, someone might be interested.

Here are some interesting facts about the state of advertising and traditional direct marketing:

- 85% of advertising n es unnoticed • 38% of marketing b yet only 1-3% of tr
- 48% of marketin messages are r

proa

e now moving to direct marketing ect mail (DM) draws a response im they value DM if the



Digital technology transforms direct marketing into a highly effective tool

In the US alone, full-color, personalized direct mail is expected to reach 12 billion pages in 2011 and 26 billion pages by 2012 and later – quickly becoming the largest color digital application. Driven by the growth of instant, online communication and changing expectations of internet-age consumers, marketing messages must be relevant, timely, and attention-getting; this is especially true for print communication. Today's HP Color Inkjet Web Press delivers a platform that provides the flexibility and cost-effectiveness for marketers to communicate in this way to a mass audience via print.

The effectiveness of personalized direct mail is well documented and meets the objectives of today's direct marketing professionals:

- Responders to personalized direct mail spend more money with average order sizes increasing up to 24% and higher
- DM using full-color Variable Data Printing (VDP) has a 36% higher response rate, while cost per response is 54% lower and sales increase by 93%
- The CMO Council stated that personalized, relevant, and precise customer communication is the #1 strategy used to drive greater revenue from existing customers (CMO Council Research 2009)
- Personalization alone provides a 20% uplift in customer response rates (PODI 2010)

Full-color digital technology can also simplify production processes by consolidating a two-step printing process into a single-pass, all-digital workflow. In doing so, pre-printed forms can be eliminated and time-to-market can be accelerated.

HP technology allows you to leverage the latest trends and profit from them

Now you can create better targeted messaging, make it more relevant, and dramatically increase response rates. By offering more dynamic, personalized pieces, you can create greater value and profit when compared to traditional, static mass mailers. You can also save costs with the HP Inkjet Web Press family. For example, digital production's single print process significantly roduces waste and simplifies management while

hieving outstanding print quality with HP Thermal Inkjet nology and media solutions. And all this is done at speed.

take advantage of new revenue opportunities operating expenses by confidently migrating o effective, full-color VDP

> Thermal Inkjet Technology, HP's portfolio inkjet products delivers breakthrough avings unprecedented for the industry. The industry can leverage new opportunities operations with versatility, productivity,

and perform

while

HP technology innovations address the needs of the direct mail market

Print on existing low-cost paper stock

Unique HP Bonding Agent technology provides flexibility-print on the low-cost, standard uncoated offset media you're using today, and get outstanding image quality and durability. This unique, colorless liquid technology is applied by inkjet prior to other color, and only at the precise locations where ink is to be printed. This improves optical density and pigment adhesion to the paper, reduces strike-through, and provides water-, smudge-, and highlighter-resistant prints.

Expanded high-speed media options

To further improve print quality, explore media options that incorporate paper enhancement technologies into the paper-making process. These options include uncoated papers with ColorPRO Technology as well as papers with jointly developed high-speed coating technology-all specifically designed for HP pigment inks and the HP Inkjet Web Press family.

Keep press downtime and maintenance expense to a minimum

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Achieve consistent print auglity while minimizing downtime. Real-time process monitoring and diagnostics support a fault-tolerant design by transferring printing from nozzles that are not operating within specifications to their redundant good nozzles.

Remarkable quality at full press speed

Deliver uncompromising print quality, consistency, performance, and value. Produce double-sided, full-color halftone printing at 1200 x 600 dpi native resolution with 100% variable content at full press speed.

Scalable design and performance

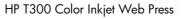
The HP portfolio of high-speed inkiet products is based on scalable design principles employing modular printing and electronic hardware to deliver high-productivity, highguality printing solutions with web-width choices, features, and performance tailored to meet your monochrome to full-color printing requirements.

Print with the environment in mind

Water-based HP pigment inks and Bonding Agent are non-flammable and non-combustible⁽¹⁾, emit low levels of volatile organic compounds⁽²⁾, do not produce ozone, and contain no detected HAPs⁽³⁾

Leading print + IT integration

Drawing on decades of HP leadership in printing and IT, the HP portfolio of high-speed inkjet products seamlessly integrates printing and IT functions to deliver a solution that offers operational simplicity, reliability, and manageability.



HP T200 Color Inkjet Web Press

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PERSONAUZED

HP's leading IT capabilities, ombined with its proven digital print technology, enable direct mail houses, marketers, and print suppliers to be more relevant, more productive, and more cost-effective than traditional solutions. These capabilities quickly translate into improved business results through offerings developed to perform in today's market. The HP portfolio of highspeed inkjet products achieves superior productivity while reducing production costs, inventory, spoilage, and waste.

Tailoring solutions to meet your specific needs

As you expand your digital production offerings, HP Solutions expertise can help accelerate your success and sharpen your competitive edge. HP's dedicated Solutions Team works with you to determine your end-toend requirements, and recommends a solution customized to meet the specific demands of your business. Our HP Smartstream workflow solutions portfolio and our wide-range of solutions partners offer choices across each phase of the production process, from pre-press design and job management to finishing and fulfillment.

⁽¹⁾ HP water-based pigment inks and the Bonding Agent are not classified as flammable or combustible liquids under the USDOT or international transportation regulations, and are non-flammable according to EU Council Directives 67/548/EEC of 27 June 1967 and 91/689/EEC of 12 December. These materials have been tested per U.S. Environmental Protection Agency Method 1020 and the flash point is greater than 110 degrees Celsius.

⁽²⁾ Dryer and print zone exhaust systems, along with very low levels of VOC emissions enable an improved print shop work environment. Customers should consult state and local requirements and regulations.

⁽³⁾ No ozone products expected based on ink composition and printing technology. The inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (festing conducted in 2008) and none were detected. HAPs are air pollutants that are not covered by ambient air quality standards but that, as defined in the Clean Air Act, may present a threat of adverse human health or environmental effects.



with HP Solutions

Technology that fuels your growth

As a global IT leader and the world's largest technology manufacturer, HP is uniquely positioned to support your company's digital transformation. The HP portfolio of high-speed inkjet products integrates innovation across the entire platform, from the HP Bonding Agent and compatible media and ink, to the printheads, web handling, and IT infrastructure. This end-to-end approach enables you to succeed in meeting your customers' printing needs and goals for business growth.

Case study 1: **CREATING NEW BUSINESS OPPORTUNITIES**

The problem

Budget constraints combined with inflexible print production processes can limit your offering and ability to achieve higher customer response rates.

Printing generic mas a costly and ineffed targeted ROI on m

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Person segment h substantially are opting

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et Web t The HP C orm allows v Juncrease response , offer flexible production options, and create new business opportunities.

Remove the barriers to digital adoption

- Achieve no-compromise color print quality on a wide range of standard uncoated offset media with Original HP pigment inks and long-life HP Thermal Inkjet printheads.
- · Add vivid, high-impact color without incurring excessive costs. You can purchase consumables as needed without click charges.
- Meet tight mailing deadlines with confidence with the high productivity and operational reliability of HP Inkjet Web Presses.



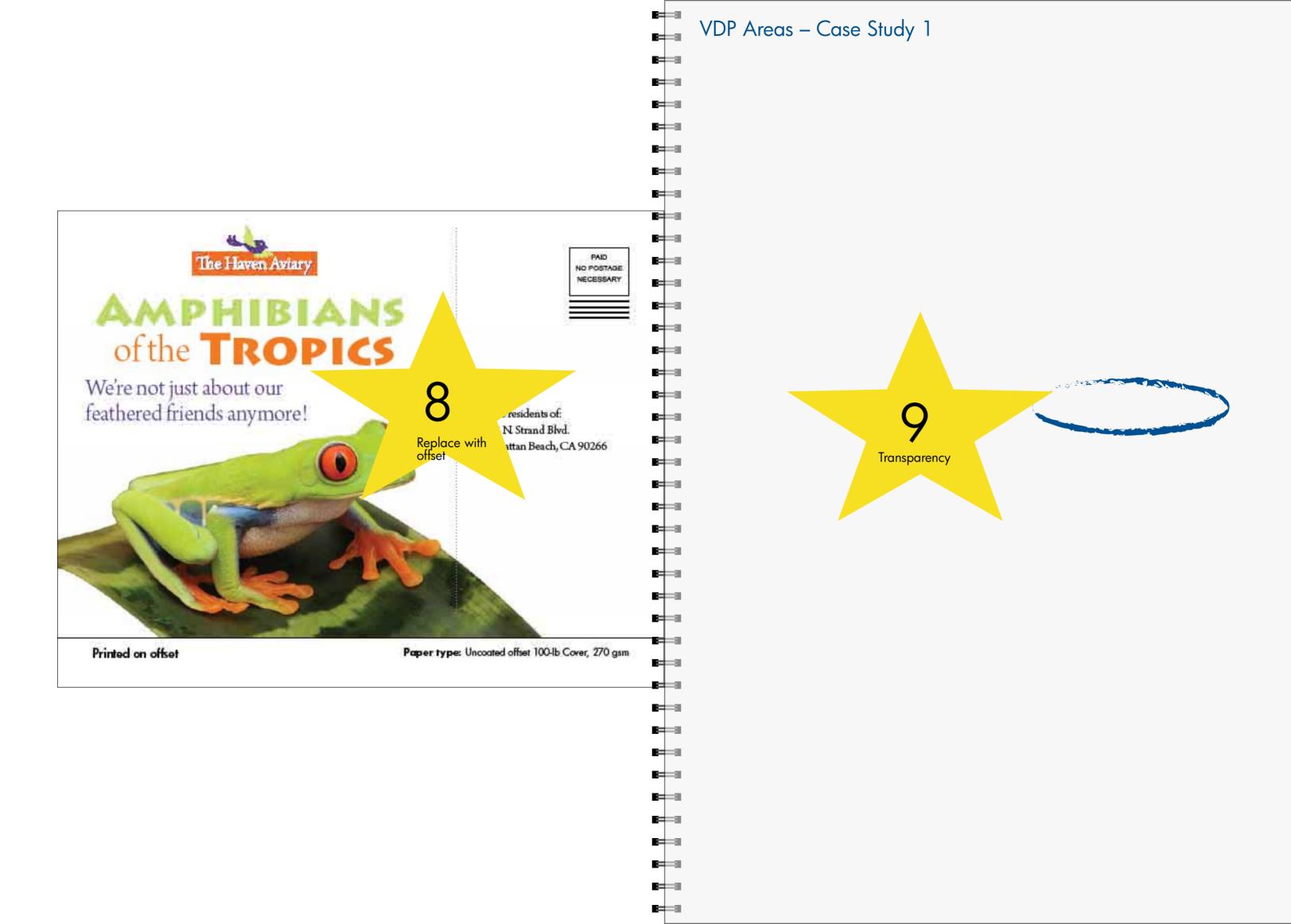
Generic mass mailing with no personalization.

8



Now the same mailer personalized with VDP. Response rates increase dramatically.







Ri II. DEAR THOMPSON FAMILY, Please Join Us! You can also fill in the below form to pledge your support and You are all cordially invited to celebrate with us the opening of our latest exhibit Amphilbians of the confirm your attendance for your guided tour. Bring II. Tropics. The Thompson Family Please join us on October 2nd at 6:00 PM for a special guided tour. Membership No. 2244339 Brite II. Help us preserve the some of the world's most Vill you be joining us on Oct 2nd? Yes D No D fascinating creatures with your continued support. To confirm your attendance and support, are currently a gold sponsor. Would you like to maintain please visit your personal webpage: current membership level or perhaps become a platinum E III www.birdsanctuary.org/thompson.2244339 610 VA THESE aree park entrance for the entire family, Brite II. recial gift bag, invitation to special events a Sponsor utrance for the entire family, 5 guest passes, Replace with ag, invitation to special events webpress EL \$30. CONSCI nce for the entire family, special gift bag, Free park. invitation to special events Thank you so much for Bring I. your continued support! The Haven Aviary Donations may be tax deductible. E I Consult your tax advisor. Balance II. Printed on an HP Color Inkjet Web Press Paper type: Uncoated offset 100-lb Cover, 270 gsm E III Ink coverage: 17.5% RH II.

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VDP Areas – Case Study 1





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Higher relevance can increase

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It's a difference that can't be ignored.

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response rates by two to five times over a static communication piece.

Case study 2: TAKING THE NEXT STEP IN PERSONALIZATION

The problem

Even targeted offers printed in black text only are easily overlooked or ignored.

The solution

Attention grabbing full color targeted offers with corresponding relevant images to improve customer response.

Use dynamic versioning to maximize postal savings while simplifying production.

Leverage customer data more effectively with timely and relevant communications.

The ColorPRO difference is striking

Papers with ColorPRO Technology provide noticeably enhanced print quality compared to standard uncoated offset papers. The difference is striking:

- Dense blacks, comparable to or better than offset, remarkable text and solid area fills
- A color gamut, larger than SWOP inks on standard uncod offset paper⁽¹⁾, produces impressive, vivid results
- Crisp text-over-color placement enables limitless full-colo options



Little impact is created by personalization that simply uses black ink.

Taking the next step in digital production, this same mailer uses location and customer preference to create highly targeted communication pieces that are relevant to the recipient. Apply color variable data to text and images, and print the entire piece in a single pass. Make your PURLs stand out more with the use of color.



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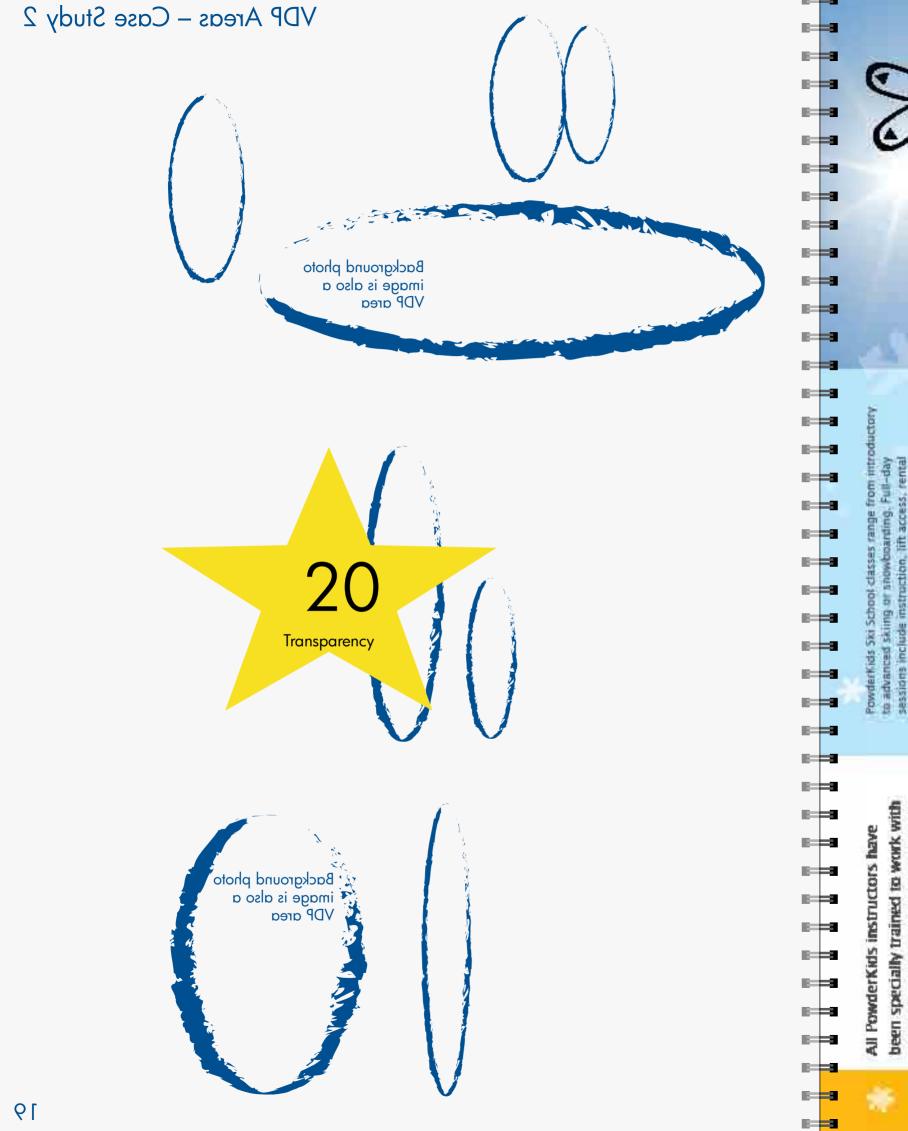
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 ELFEUL REMINDERS. Children must be 3 years old, potty trained and willing to learn to ski and to participate in ski school Ages 4 and under ski for free Children's lift tickets start at ape 5 and go to age 12 	FOR THE LITTLE ONES — 3 & 4 YEARS OLD For our youngest skiers, this program teaches kids the basics. Your kids will get comfortable using their equipment, in the snow, and have lots of fun doing it. Classes for this age group last no more than 2 hours, with lunch served following the lessons.	PowderKids Ski School has classes for every age group and ability level. Our instructors are specially trained in proven teaching techniques designed for children. Our staff have all chosen to work with children and love to. This ensures your child will have a great time. You can rest assured knowing that each of our instructors has received extensive first-aid training.	JOIN US JONES FAMILY
		Since some kids at this age are already at different skill levels, we have divided the classes into 2 groups, Beginning and Advanced. Appropriate to their skill level, instructors will work with kids on developing the abilities both individually and as a group. Classes star at 10:00 AM, and later we take a break for a tasty and energy-boosting lunch, followed by more fun learning	SNOWKIDS CLUB — 5 & 6 YEARS OLD
	17 Replace w offset	Divided into skill levels (Begii Advanced), students will enjo instruction at a fun and fast j class, Snowboarding lessons students that qualify. These ; at 10:00 M and end at 3:00 or g the way to keep	POWDERKIDS CLUB - 7-12





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February 4-7

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they are doing that, we're going to Since we know that one of the besi children. Our first priority is for all ways to teach a child is by having safely. And while our students to enjoy themselver Your kids will feel like they have been playing all day, and kamin teach them some valuable skills. fun, that's what we do. is the best part of it. and have fun



40.5X ž orboy 70-b test, 154 gam ar Operate with Cale/RD Techn Paper type hiers

Printed on an HP Color Inkjet Web Press

Background photo image is also a VDP area

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FAMILY WINTER SPORT FOR THE JONES FAMIL FUN

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th lots of ere are great things planned for this year's Fami owboarding Clinic in Aspen. We've created a ygram with plenty of individual snow time, along great fam õ

l**avid and Jane,** you o vith as many classes a nd activ ild yo vities you want sche

d Emma and David Jr. will be ks for ta iily fun in their groups with

To get all the details, b perfect weekend getaw ook your stay, and create the ray for your family, go to: om/jonesfamilyclinic

ERFECT FOR EMMA

0 or our youngest skiers, this pro-ne basics. Your kids will get com quipment in the snow, and have asses for this age group lact moasses for this age group last no more th lunch served following the lessons last no t comfi gram teaches kids nfortable using thei e lots of fun doing i o more than 2 hour

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- 4 4 and under r ski for
- ren's lift tickets start 2
- ages 13 & over are co age 5 and go to age 12 considered adults and pay the
- your children's shoe size, height, and date of ve the proper equipment and class placement



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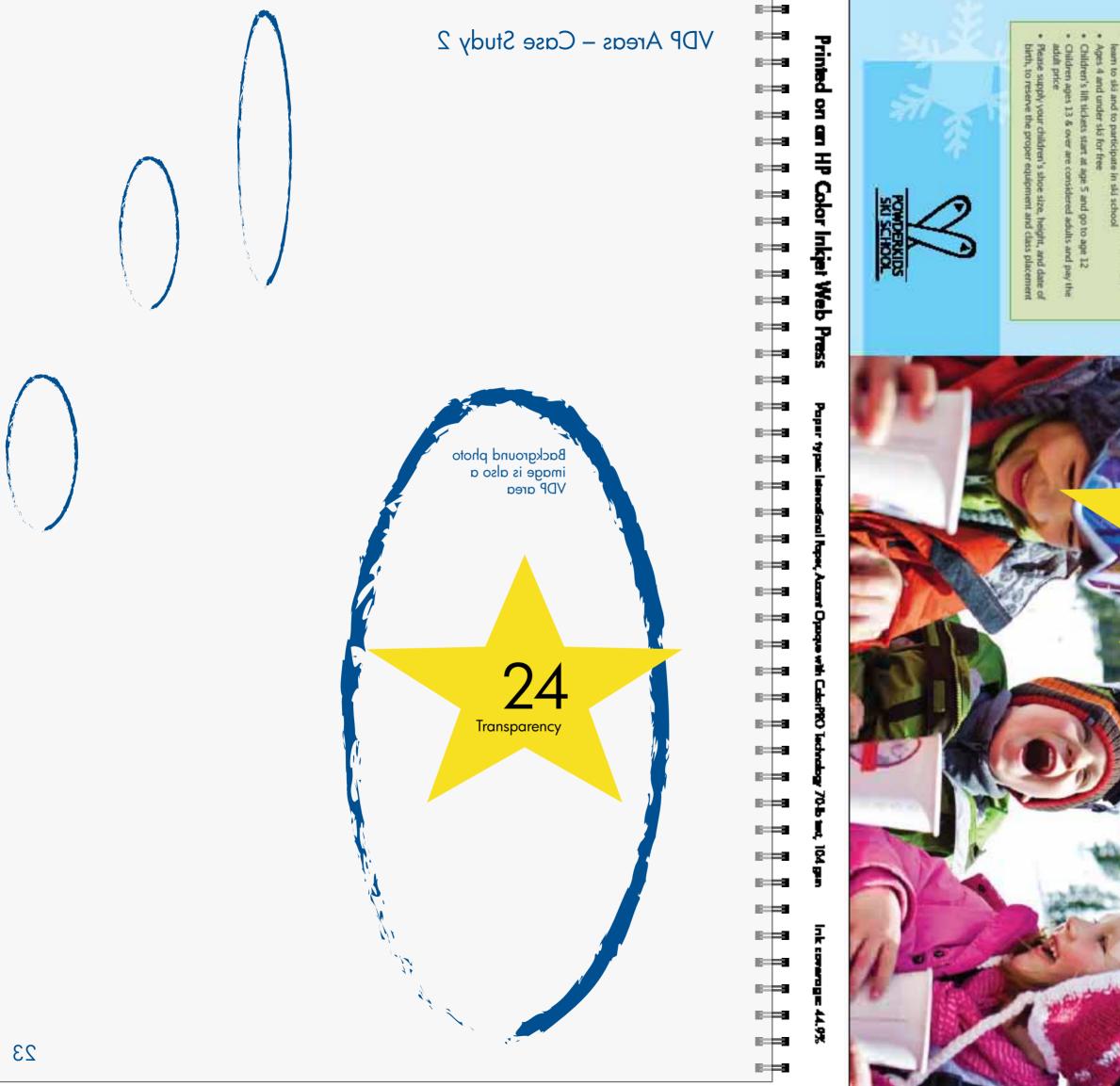
22 Replace with webpress

GREAT FOR DAVID ANS OLD

Divided into skill I and Advanced) stu class, Snov t 10:00 AM ction at a fu Ē els (Be nd fast ill enjoy levelare also ava ē e. For ou Inter day cla dated or lunch and đ







HELPFUL REMINDERS Ohildren must be 3 years old, potty trained and willing to	FOR THE LITTLE ONES — 3 & 4 YEARS OLD For our youngest skiers, this program teaches kids the basics. Your kids will get comfortable using their equipment in the snow, and have lots of fun doing it. Classes for this age group last no more than 2 hours, with lunch served following the lessons.	Everyone can build their own schedules, including some great together time. Kids will be in their groups, with breaks for family fun. To get all the details, book your stay, and create the perfect ski weekend for your family, go to: www.powderkids.com/timmsfamilyclinic	TEACHING KIDS TO LOVE SNOW SPORTS THE ANNUAL FAMILY WEEKEND There are great things planned for this year's Family Ski & Spa Clinic. We know you don't all ski, so we've created a flexible program for Sandy and Bill to enjoy as much spa or skiing as you like, while Dan and Tim can ski all day long.
	25 Replace with webpress		PERFECT FOR DAN & TIM 5 & 6 YEARS OLD Since some kids at this age are already at different skill levels, we have divided classes into 2 groups, Beginning and Advanced. Appropriate to their skill level, instructors will work with kids on developing their abilities both individually and as a group. Classes start at 10:00 AM, and later we take a break for a tasty and energy-boosting lunch, followed by more fun learning.
			POWDERKIDS CLUB — 7-12 YEARS OLD Divided into skill levels (Beginning, Intermed and Advanced) students will enjoy level-app instruction at a fun and fast pace. For our A class, Snowboarding lessons are also availal students that qualify. These are full-day cla at 10:00 AM and end at 3:00 PM. We break snacks along the way to keep our energy le

le to th

at start ch and



Not only do response rates increase with personalized direct mail; those responding spend more money with average order sizes increasing up to 24% and higher.

27



Case study 3: IMPROVING THE PROCESS AND ITS EFFECTIVENESS AT THE SAME TIME

The problem

The two-step process of using preprinted offset shells is not only expensive and time consuming, it also places limitations on response turnaround times.

The solution

Print full-color VDP in a single print pass for reduced costs and quick turnarou ecause there is no warehousing of prep forms and associated inventory over st importantly, increase the imp messaging w. relevant imagery.



with

Maximize quality and p high-speed inkjet coate

- Working with industry-Laing media providers, HP and our partners jointly develop papers designed to maximize the quality and performance of the HP Inkjet Web Press family and HP pigment inks.
- To deliver the many benefits of digital technology, such as high-speed variable content printing, the jointly developed high-speed coating technology is formulated for rapid ink absorption and fast dry times.
- Pigments in HP pigment inks are guickly immobilized at the paper's surface to provide high-quality printingincluding clear, sharp text and line guality, rich blacks, and saturated colors-at full press speeds.





While containing some personalization, this letter was printed in a double-pass process that doesn't allow for full-color personalization: First the shell is printed in an offset process; next the variable text is mally in black text only



This same campaign, but printed on an HP Inkjet Web Press in a single pass, allows for full-color VDP.



Even better, this same campaign contains not only full-color variable text, but also personalized images.

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	To get the most out of your
	time with us, please prepare the
	following for your appointment.
	Images of wedding dresses you like
	Information about the wedding: date, time, venu
	 Any special considerations such as: mode of transportation to wedding, or activities at wedding.
	 Selected color exhams

Selected color scheme

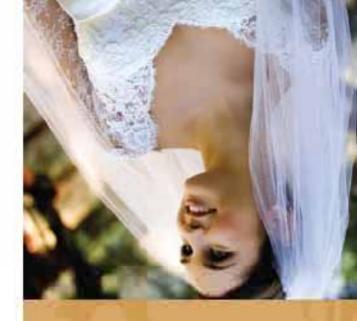
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- Name of wedding coordinator
- Details of wedding party participants





Special Day in Your Lite For the Most



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For the Most Special Day in Your Life

> Wedding Bliss 1741 Spring Valley Birmingham, B5 6DS 44-123456789 www.weddingbliss.co.uk

Paper type: Appleton Casted, Utopia Two Mails 60-Ib test, 90 gen



For the most special day of your life

Dear Angela,

Heartfelt congratulations on your recent engagement! This is truly a special time in your life. Preparing for one of the most important and special days of your life can be both exciting and overwhelming.

We are ap glad you approached Wedding Bliss at the recent Lucury Bridal Showcase. With many important decisions to make, and of course wanting them to all be perfect, we at Wedding Blies are confident that we can make your wedding as special as it was meent to be.

As you know, Wecking Biss specializes in custom bridal gowns and wedding wear for your entire wedding perty. The right time to start working on what will be the most incredible dress, designed just for you, is now. You are invited to our studio for a no-obligation consultation with our renowned dress designer, Tamara Lowry and our expert tridal consultant, Nikki Johnson.

3

To prepare for this meeting, we would like to you bring along discussing your aesthetic preferences along with any decisi and Niko's extensive experience has created some of the do the very same for you.

To make your appointment places call a take our time with our brides, so places allow

Once again Angela, congratulations on your angage making your special day, extraordinary.

Meny thanks,

Jason Jones Managing Bridal Consultant images of dresses that you like. We will also be thave made with regards to the wedding. Tamana visite dresses and brides. And they are ready be

an a time to meet. We like to

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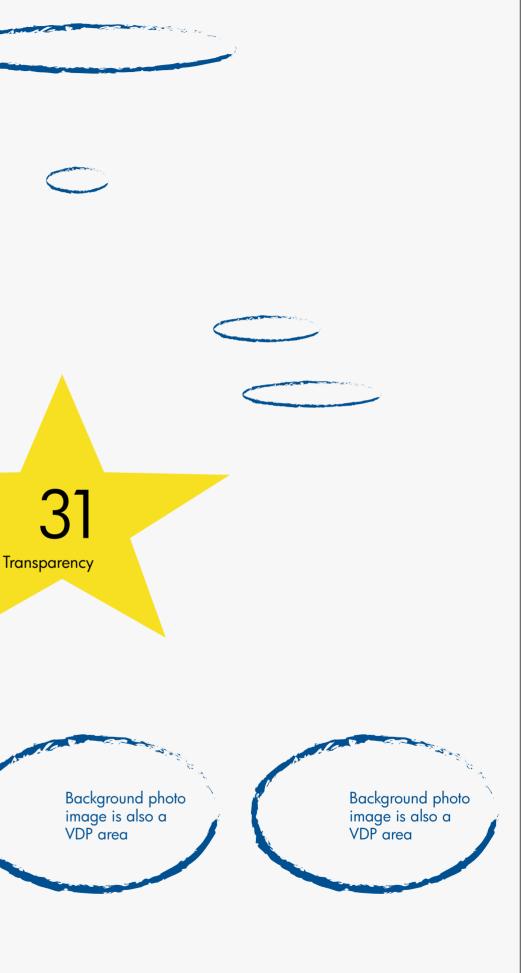


Background photo image is also a VDP area

VDP Areas – Case Study 3

Printed on offset

Paper type: Appleton Casted, Litapia Two Maile 60-la text, 90 gas







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Paper type: Appleton Coated, Utopia Inlijet Matte 80-Ib Test, TI6 gans ink coverage: 23.6%

VDP Areas – Case Study 3



For Angela and Brian's Special Day in June E I

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For Angela and Brian's Special Day in June

Wedding Bliss 1741 Spring Valley Birmingham, B5 6D5 44-123456789 www.weddingbliss.co.uk









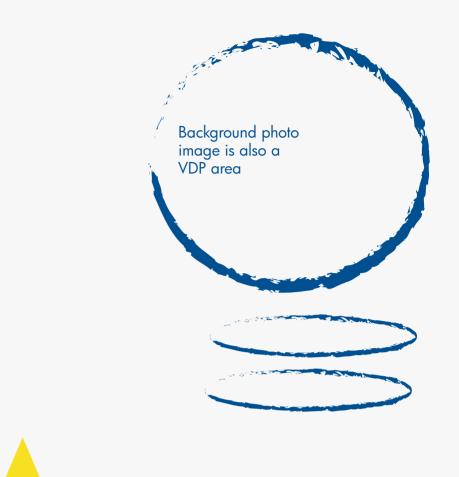
Angela & Brian's Wedding Bliss Appointment Checklist

- Images of wedding dresses you like, appropriate for your summer wedding
- Exact date and wenne details for your June wedding
- Any special considerations such as mode of transportation to wedding, activities at wedding
- Selected color scheme
- Name and contact details of wedding coordinator
- Details of wedding party participants



Printed on an HP Color Inkjet Web Press

Paper type: Appletos Conted, Utopia Islás Maits 80-15 Texi, 116 gan Ink soverage: 22.4%













in October Special Day For Angela and Brian's





For Angela and Brian's Special Day in October

> Wedding Bliss 1741 Spring Valley Birmingham, B5 6D5 44-123456789 www.weddingbliss.co.uk

Poper type: Appletos Castel, Utopia laljet Mate 90-15 Test, TI6 gan



For Angela & Brian's Special Day

Dear Angela,

Heartfelt congratulations on your recent engagement to Brian! This is truly a special time in your life. Preparing for one of the most important and special days of your life can be both exciting and overwhelming.

Angela, we are so glad you approached Wedding Bliss at the recent cury Bridal Showcase. With many important decisions to make, and of course wanting them to all be perfect, we at Wedding it was meant to be.

As you know, Wedding Bliss specialises in unique wedding extime to start working on what will be just for the occasion. You are invited to ou. Lawry; and our expert wedding consultant, Nik

To prepare for this meeting, we would like to you bring like. We will be discussing your aesthetic preferences a During the meeting, we will arrange for a cake tasting ensure that everything works in symphony.

are confident that we can make your wedding as special as

th your wedding planned for October, it's the right and a wedding cake designed wned dress designer, Tamara

38 Replace with webpress

(dresses, cakes, venues, and flowers) that you ave already made with regards to the wedding. ake, and look at some floral schemes to

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To make your appointment please call our studio 244 0121 555 1212 and we can place time to meet. We like to take our time with our brides, so please allow 3 hours for this appointment.

Once again Angela, congratulations on your engagement. We look forward to meeting with you and being a part of making your special day extraordinary.

Many thanks,

Jason Jones Managing Bridal Consultant

Thank you for visiting us at the Luxury Bridal Showcase



Printed on an HP Color Inkjet Web Press

6 - B Poper type: Appletos Cented, Utopia lakjat Matte 90-Ib Text, Tić gan ink coverage: 22.4% 6 - S

In today's internet age, consumers expect personal, timely, and relevant communication -or they ignore it. Vibrant full color, personalized direct mail with targeted messages fulfills these expectations and drives higher returns on marketing investments







Progressive Profitable Printing