



EDUCATION DATA JAM

Tuesday, July 12, 2012

The George Washington School of Business
Duquès Hall, Suite 450F
2201 G Street, NW
Washington, D.C. 20052



Welcome

DR. DOUG GUTHRIE, GW BUSINESS SCHOOL DEAN



Introduction

TODD PARK, U.S. CHIEF TECHNOLOGY OFFICER



Agenda



Opening Conversation

Welcome

Dr. Doug Guthrie, GW Business School Dean

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Todd Park, U.S. Chief Technology Officer

Background

Macon Phillips, Director, White House Digital Strategy

Dept. of Education Priorities

Jim Shelton, Assistant Deputy Education Secretary

Big Education Challenges

Kevin Carey, NAF Education Policy Director

Education Data Assets

Richard Culatta, ED Technology Deputy Director

Active Workshop

Breakout Instructions

Todd Park, U.S. Chief Technology Officer

Breakout Sessions

Break

Breakout Summaries

Voting

Todd Park, U.S. Chief Technology Officer

Commitments to Action

Todd Park, U.S. Chief Technology Officer

Close

Todd Park, Jim Shelton, and Macon Phillips



Background

MACON PHILLIPS, DIRECTOR, WHITE HOUSE DIGITAL STRATEGY



Department of Education Priorities

JIM SHELTON, ASSISTANT DEPUTY EDUCATION SECRETARY



Big Education Challenges

KEVIN CAREY, NAF EDUCATION POLICY DIRECTOR



Educational Data Assets

RICHARD CULATTA, ED TECHNOLOGY DEPUTY
DIRECTOR



Education.Data.Gov



 **DATA.GOV** / EDUCATION
EMPOWERING PEOPLE

 Login |  Sign Up

WELCOME TO EDUCATION DATA COMMUNITY

This web site serves as a central guide for education data resources including high-value data sets, data visualization tools, resources for the classroom, applications created from open data and more. These datasets have been gathered from various agencies to provide detailed information on the state of education on all levels, from cradle to career and beyond. Check back frequently because the site will be updated as more datasets and tools become available.

SPECIAL FEATURES POST-SECONDARY UNIVERSE SURVEY 2010 - DIRECTORY INFORMATION

[VIEW MORE](#)



[Home](#) [Data/Tools](#) [Apps](#) [Challenges](#) [International](#) [Classroom](#) [Events](#)

[SEARCH](#)

[Data.gov](#) » [All Communities](#)

Developers



Interested in developing new apps for education? Check out the **opportunities** and **resources** available.

Teachers



Looking for resources, lesson plans, and ways to energize your students? **Start here to learn more!** Or, are you using data in the classroom? Created a cool app? Developed a lesson plan? **Tell us your story**, let us feature your class or have us come to your school!

Students



Have you done something cool for your school? Looking for data for your science fair or school paper? You've found the **right place** to get what you need and share what you've done!



Education.Data.Gov



Integrated Postsecondary Data System (IPEDS)

Civil Rights Data Collection (CRDC)

Common Core of Data (CCD)

Data from *EdFacts*



MyData Initiative

RICHARD CULATTA, ED TECHNOLOGY DEPUTY
DIRECTOR



MyData Initiative



- The purpose is to provide student data in a machine-readable format
- Accessible federal data:
 - Education.data.gov
 - NSLDS data
 - SAR (FAFSA) data
- MyData files from 3rd party vendors:
 - A number of vendors have voluntarily committed to the initiative: Pearson, eScholar, Parchment, and Microsoft
- MyData spec: www.MyDataDownload.org





MyData - NSLDS

PAM ELIADIS — ED DIRECTOR, SYSTEM OPERATIONS AND AID DELIVERY MANAGEMENT SERVICES AT FEDERAL STUDENT AID



MyData - NSLDS



- NSLDS stores information about loans, grants, students, borrowers, schools, lenders, guaranty agencies, and a range of servicers
- NSLDS collects data through all stages of the loan cycle—from aid approval through disbursement, repayment, delinquency, and closure
- Total number of students on NSLDS is 78,500,055



MyData - NSLDS



- NSLDS will implement MyData downloads on four sections of the site:
 - Financial Aid Review
 - Loan Detail
 - Grant Detail
 - Overpayment Detail
- Anticipated implementation date: September 2012

START HERE GO FURTHER FEDERAL STUDENT AID National Student Loan Data System (NSLDS) for Students

NSLDS is a repository of information from many sources. Changes to the data are made by those sources. Collecting the data into one central location such as NSLDS gives you convenience and saves you time. If for any reason you disagree with the information reported to NSLDS, please contact one or more of the sources of your data listed on the detail pages on this site. The Department is also available as a resource at 1-800-4FEDAID if you need additional assistance. Your comments and corrections will help improve the services NSLDS provides.

Detail Loan Information for JANE DOE Your enrollment status is **HALF TIME OR MORE, BUT LESS THAN FULL TIME, effective 09/27/2009.**

Type of Loan: **1 DIRECT STAFFORD UNSUBSIDIZED**
 Loan obtained while attending the **NORTHEASTERN STATE UNIVERSITY**

Scheduled Start of Repayment: **11/21/2012**
 Loan Period Begin Date: **08/15/2011**
 Loan Period End Date: **05/09/2012**

MY DATA DOWNLOAD

Amounts and Dates							
Loan Amount	Outstanding Principal Balance	Outstanding Principal Balance As of Date	Outstanding Interest Balance	Outstanding Interest Balance As of Date	Interest Rate	Canceled Amount	Canceled Date
\$3,053	\$3,053	09/14/2011	\$1	09/14/2011	FIXED	\$0	

Disbursement(s) and Status(es)					
Disbursement Date	Disbursement Amount	Loan Status	Status Description	Status Effective Date	
09/12/2011	\$3,053	IA	LOAN ORIGINATED	09/12/2011	

Servicer/Lender/Guaranty Agency Information	
Contact Type	Contact
Current Guaranty Agency:	DIRECT LOAN SERVICING CENTER (ACS) P.O BOX 5609 GREENVILLE TX 754035609 800-848-0979

Information contained on these pages reflects the most current data in the NSLDS database. The data contained on this site is for general information purposes and should not be used to determine eligibility, loan payoffs, overpayment status, or tax reporting. Please consult the Financial Aid Officer at your school or the specific holder of your debts for further information.

FOIA | Privacy | Security | Notices WhiteHouse.gov | USA.gov | ED.gov



MyData - NSLDS



Data to be provided by My Data Download:

- Aid recipient data (e.g., name, address)
- Loan data (e.g., summary totals, loan amounts, outstanding balance, loan status, loan disbursements, servicer/lender/guaranty agency demographics)
- Grant data (e.g., type, award amount, scheduled amount, attending school demographics)
- Overpayment data (e.g., aid type, disbursement date, repayment date, attending school demographics)
- Enrollment data (e.g., enrollment status, effective date)



MyData - FAFSA

MICHELE BROWN, DIRECTOR OF APPLICANT
PRODUCTS AND CUSTOMER
SERVICE



MyData - FAFSA



- FAFSA on the Web (FOTW) is an online method of completing the Free Application for Federal Student Aid (FAFSA)
- FOTW MyData functionality will allow applicants to download FAFSA information in a machine-readable file ASCII format:
 - Student data (e.g., name, address, marital status, financial data, veteran status)
 - Non-identifying data about others (e.g., parents education level, information on dependents, no. of family members)
 - FAFSA data (e.g., application receipt date, processed date, expected family contribution)
 - School data (e.g., high school demographics, Federal School Code)
 - Note: identifying and financial data about parents and spouses captured on the FAFSA will not be provided through this download functionality



MyData - FAFSA



- Anticipated implementation is April 2013
- Customer Access:
 - Applicants with processed applications will be presented the option on the “My FAFSA” page after initial log-in.
 - When users click on “Download MyData” a FSA PIN will be required to download the information.

The screenshot shows the 'My FAFSA' user interface. At the top, there is a navigation bar with 'Home', 'Contact Us', and 'Browse Help' links, along with a search bar and a 'Welcome, susan Logout' message. The main content area is titled 'My FAFSA' and displays a 'Welcome, susan demodefault!' message. Below this, the '2012-2013' application status is shown as 'Current Application Status: Processed Successfully'. A message states: 'Your application was processed successfully. You should review it for accuracy.' Two buttons are visible: 'VIEW PROCESSED INFORMATION (PDF VERSION)' and 'VIEW PROCESSED INFORMATION (HTML VERSION)'. To the right, a box shows 'Original Application' details (Submitted: 01/01/2012, Processed: 01/01/2012, DRN: 7452) and 'Latest Correction' details (Submitted: 01/03/2012, Submitted By: Student, Processed: 03/05/2012). Below the main content, there is a section 'You can also:' with links for 'Make FAFSA Corrections' and 'View Correction History'. A button labeled 'DOWNLOAD MY DATA' is circled in red. At the bottom, there is a 'Federal Student Aid PIN' section with 'PIN Status: Active' and a 'Request A Duplicate PIN' link. A 'NEED HELP?' link is located at the very bottom of the page.



MyData - eScholar

SHAWN BAY, FOUNDER AND CEO



MyData - eScholar



- eScholar collects, links and integrates data from thousands of sources to form contiguous records of P-20 education for millions of students.
- The data eScholar manages is carefully governed by the State Education Agencies and Districts they support.
- eScholar customers are focused on applying these data in ways that help students succeed.
- eScholar believes the MyData effort represents a great opportunity for students and parents to use data in creative ways that help them achieve success.
- eScholar will do everything they can to support our shared objective to use data to improve the effectiveness of education.



MyData - eScholar



More than 50 Categories of data, including:

- Course Enrollment and Grades
- Degrees attained
- Assessment Scores and Guidance
- Student interests and goals
- Attendance and Engagement



MyData - Pearson

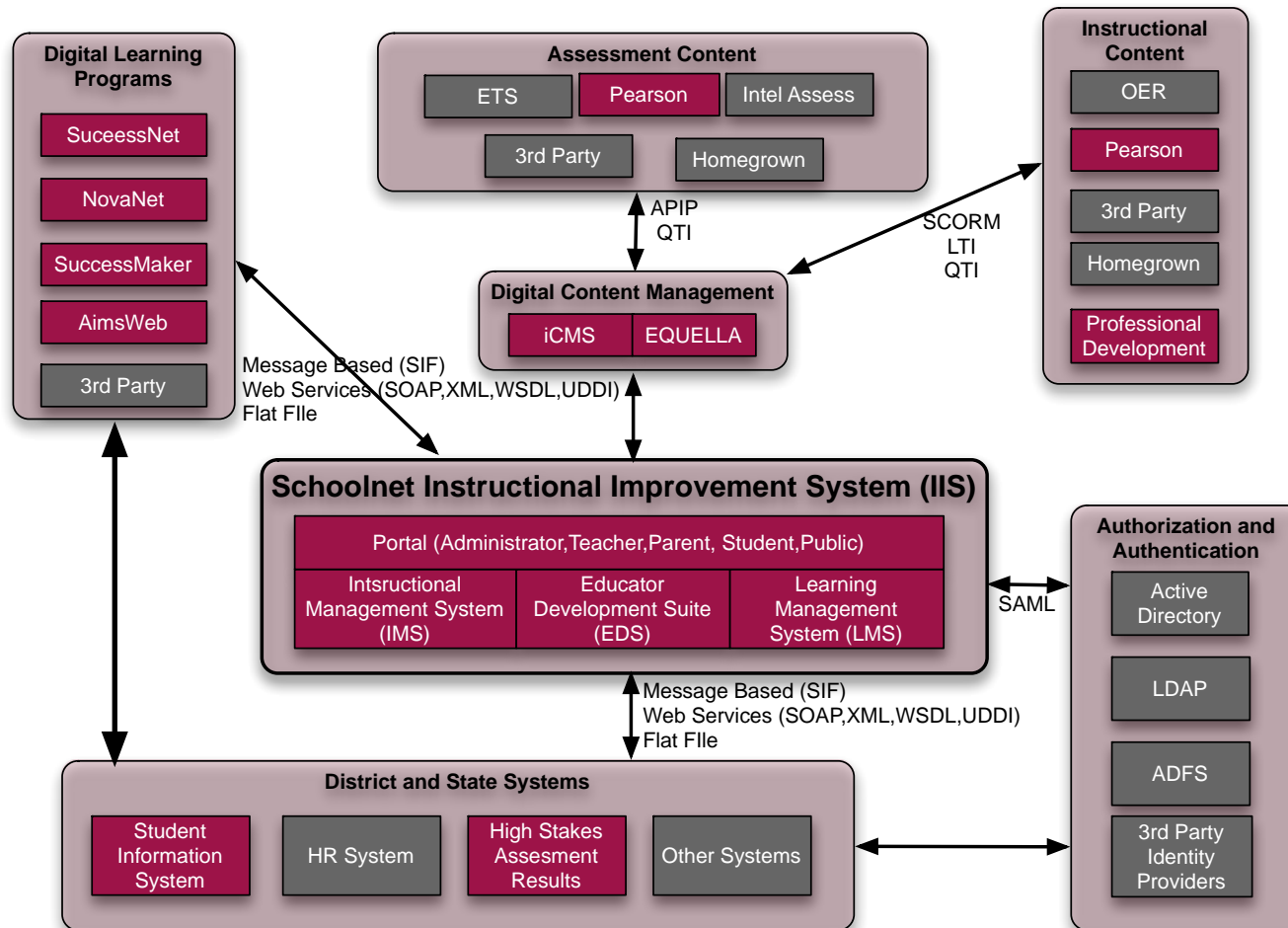
LUYEN CHOU, CHIEF PRODUCT OFFICER K-12 TECHNOLOGY



MyData - Pearson



Pearson Interoperability

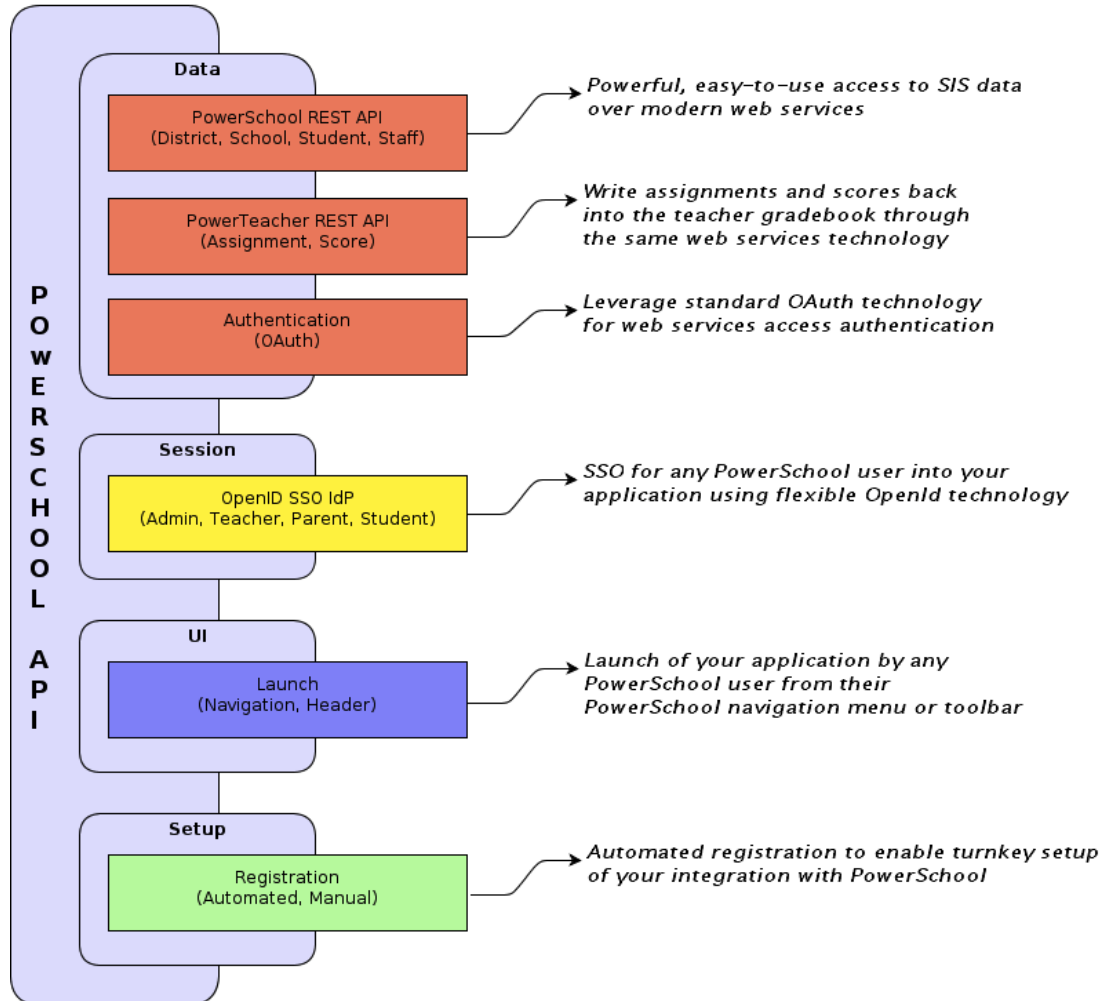




MyData - Pearson



Integration Points – Powerschool API





MyData - Pearson



Parent Access Data

- Human Mediated Interfaces
 - Parents have access to their children’s education data
 - Parents can download data to share with other systems
- We will provide a MyData button to access this in the PowerSchool Parent Portal header

PowerSchool

Welcome, Stephanie A. Aaron | Help | Sign Out

Navigation: Grades and Attendance, Grade History, Attendance History, Email Notification, Teacher Comments, School Bulletin, Class Registration, Balance, My Calendars

Grades and Attendance: Aaron, Stephanie A.

Exp	Last Week					This Week					Course	S1	S2	Y1	YR	Absences	Tardies
	M	T	W	H	F	S	M	T	W	H							
1(A-B)																2	1
2(A-B)																2	1
3(A-B)															0	0	
2(B)															0	0	
3(A-B)															2	1	
4(A-B)															2	1	
3(A)															0	0	
Attendance Totals																	

ron | Help | Sign Out

! 📄 🖨️ 📥



MyData - Pearson



Student Record Exchange Data

- Student Demographic Data
 - Reporting Date
 - Student Personal Data
 - SIF Extended Elements
- Student Academic Record
 - Reporting Date
 - Student School Enrollment Data
 - Course History
 - Academic Performance Summary

```
--education_mydata
Content-type: application/vnd.sif.studentrecordexchange+xml
<?xml version="1.0" encoding="UTF-8"?>
<StudentRecordExchangeData xmlns:ns2="http://stumo.transcriptcent
  <StudentDemographicRecord>
    <ReportingDate>2012-06-29</ReportingDate>
    <StudentPersonalData>
      <LocalId>14650</LocalId>
      <SSN>999-15-4740</SSN>
      <OtherIdList>
        <OtherId Type="0495">420100932</OtherId>
      </OtherIdList>
      <Name Type="04">
        <LastName>Aaron</LastName>
        <FirstName>Stephanie</FirstName>
        <MiddleName>A.</MiddleName>
      </Name>
      <DemographicsData>
        <RaceList/>
        <Gender>F</Gender>
        <BirthDate>1990-03-29</BirthDate>
      </DemographicsData>
      <AddressList>
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            <Line1>19983 Example Road</Line1>
          </Street>
          <City>Example</City>
          <StateProvince>CA</StateProvince>
          <PostalCode>98765</PostalCode>
        </Address>
        <Address Type="0765">
          <Street>
            <Line1>90449 Example Road</Line1>
          </Street>
          <City>Example</City>
          <StateProvince>CA</StateProvince>
          <PostalCode>98765</PostalCode>
        </Address>
      </AddressList>
      <PhoneNumberList>
        <PhoneNumber Type="0096">
          <Number>452-555-8125</Number>
        </PhoneNumber>
      </PhoneNumberList>
    </StudentPersonalData>
  </SIF_ExtendedElements>
```



Learning Registry

JASON HOEKSTRA, SLC TECHNOLOGY SOLUTIONS ARCHITECT



Learning Registry



The Learning Registry enables sharing.

Not a web site or portal

.... technology that helps web sites share information with other web sites.

Enabling the sharing of...

- Online content metadata
- Usage data or “paradata”
- Standards alignment data

Learning Registry is driven by “open”...

- Open source
- Open community
- Opening silos



Learning Registry



Resource Paradata Profile



Dynamic Summary

Source Website:	Visit
Reference URL:	Visit
Times Viewed:	39
Times Voted:	23
Times Rated:	6
Times Favorited:	1
Recommended:	2
Times Tagged:	
climate	(2)
global warming	(6)
Usability Rating:	7.65/10
Star Rating:	3.75/5
Useful:	Yes: 14 No: 9
Accurate:	Yes: 2 No: 1
Likes:	Yes: 12 No: 2
Best Of 2010:	
Scale of 1 (Best) and 50 (Worst)	3
Most Useful:	
Scale of 1 (Best) and 5 (Worst)	2

CTE Online

89 Career & Technical Educators in **California** included this resource in a curriculum module.

This resource has been aligned **214** times to **Math Common Core Standard 5.G.2**



There are **16** discussion posts that include this resource in the **Middle School Science** group.



This resource was voted **#3** out of **5** **Best Science Interactives** for **English Language Learners** by teachers in **Florida**

Tags

Science Mars PBS
Space_Science
NASA Engineering
interactive design

Resource Information

Title:	Anatomy of a Rover	Intended Audience:	Learner	Link:	http://www.teachersdomain.org/9-12/sci/ess/eiu/rover/index.html
Subject Keyword(s):	Science	Resource Type:	Instructional Material	Description:	In this interactive activity from NOVA, learn about the sophisticated scientific instruments on two identical robotic rovers that have explored Mars — Spirit and Opportunity.
Grade Level:	High School	Resource Format:	Text, text/html		



Learning Registry



More information...

- LearningRegistry.org
- State Adoption White Paper
- Videos and Jumpstart Guides
- Mailing Lists
- Tech: Sandbox, VMs and from scratch
- GitHub.com/LearningRegistry



Financial Aid Shopping Sheet

DAVID BERGERON, ED DEPUTY ASSISTANT
SECRETARY FOR POLICY,
PLANNING, AND INNOVATION



Financial Aid Shopping Sheet



- Colleges and universities have committed to financial aid transparency to provide students and their families with the clear, useful information to make the best decisions about where to enroll and what kind of financial commitment they are taking on.
- Each institution committed to providing the following information to all incoming students as part of their financial aid package beginning with the 2013-2014 school year:
 - How much one year of college will cost;
 - Financial aid options to pay this cost, with a clear differentiation between grants and scholarships, which do not have to be repaid, and loans, which do;
 - Net costs after grants and scholarships are taken into account;
 - Estimated monthly payments for the federal student loans the student would likely owe after graduation; and
 - Vital information about student results, including comparative information about the rates at which students enroll from one year to the next, graduate, and repay their loans without defaulting on their obligations.



Financial Aid Shopping Sheet



[CATC*](#) with [ScoreCards](#)

- Quick view -- **5 key data elements** -- of institutions on critical measures (where to apply)

[College Navigator*](#)

- More detailed information about institutions (where to apply)

["Shopping Sheet"](#)

- **"Know Before You Owe"** Model Aid Offer Form with graduation & default (or repayment) rates (where to enroll)

Aid Offer Comparison Tool

- Private sector (or gov't) tool to facilitate comparisons of aid offers (where to enroll)

ED produced

Institution produced

Private Sector or Gov't

* Existing

The Financial Aid Shopping Sheet is one of several consumer choice tools for college selection. 5 key data elements include:

- (1) net price,
- (2) graduation rates,
- (3) default (or repayment) rates;
- (4) mean and median debt; and
- (5) employment outcomes.



Financial Aid Shopping Sheet



Prepared for a fictional first-year student. This sample ward letter describes financial aid that U.S. awarded to a fictional student. The information is not real. This is not a consumer disclosure; look on the U.S. website for general information.

UNIVERSITY OF THE UNITED STATES

HOW MUCH IT WILL COST IN THE 2012-13 YEAR

ESTIMATED COA FOR FULL-TIME ATTENDANCE	\$XX,XXX
Tuition and fees	\$XX,XXX
Housing and meals (for on-campus resident)	XXX,XXX
Living expenses (for off-campus resident)	XXX,XXX
Books and supplies	XXX,XXX
Transportation	XXX,XXX
Other educational costs	XXX,XXX

The COA (cost of attendance) is developed by the institution. This example presents a yearly amount; however, COA could be broken down by term, by program, by credit hour.

TOTAL GRANTS AND SCHOLARSHIPS ("GIFT" AID; NO REPAYMENT NEEDED)

Grants from your school	\$XX,XXX
Federal Pell Grant	XXX,XXX
Grants from your state	XXX,XXX
Other scholarships you can use	XXX,XXX

Scorecard Elements for Shopping Sheet
 Graduation Rate (as a gauge graphic)
 Cohort Default Rate (bar graph)

WHAT YOU WILL PAY FOR 2012-13

NET COSTS AFTER GRANTS AND SCHOLARSHIPS	\$XX,XXX
-----------------------------------------	----------

(THIS IS THE COST OF ATTENDANCE MINUS THE TOTAL GRANTS AND SCHOLARSHIPS.)

YOUR EXPECTED FAMILY CONTRIBUTION

(CALCULATED USING INFORMATION REPORTED IN THE FAFSA ACCORDING TO A FORMULA DEVELOPED BY THE CONGRESS.)

WORK OPTIONS TO PAY FOR COLLEGE (MUST BE EARNED IN A JOB)

Federal Work-Study (if the institution takes part in this program)	\$XX,XXX
--------------------------------------------------------------------	----------

Scorecard Elements for Shopping Sheet
 Graduation Rate (as a gauge graphic)
 Cohort Default Rate (bar graph)
 Repayment Rate (bar graph)

YOUR LOAN OPTIONS (MUST BE REPAYED)	
RECOMMENDED FEDERAL LOAN AMOUNTS	
PERKINS LOANS	\$X,XXX
DIRECT SUBSIDIZED LOAN	XX,XXX
DIRECT UNSUBSIDIZED LOAN	XX,XXX

LOAN DETAILS FOR ENTERING STUDENTS
 Students usually borrow \$XXXX in federal loans during 2 years at college.
 If you borrow about \$XXXX, your federal loan payment over 10 years would be \$XXX per month.

LOAN DETAILS FOR CONTINUING STUDENTS
 To see how much you've borrowed in federal loans, go to:
<https://www.myedaccount.com/accounts/login.aspx?c=Yes> and log into your MyEdAccount.com

- HOW TO PAY REMAINING COLLEGE COSTS
- Payment plan offered by the institution
 - Contribution from family (called the "Expected Family Contribution")
 - Parent PLUS loan
 - Non-Federal private educational loan
 - Military and/or National Service benefits

FOR MORE INFORMATION AND NEXT STEPS
 University of the United States of UUS
 Financial Aid Office
 123 Main Street
 Anytown, TX 2345
 (123) 56-7890; financialaid@uus.edu

Institutions already must use this form for service members and veterans if they sign on to the principles of excellence, but our preference would be for them to use this type of form for all students.



Current "graduation rate survey" as reported to the National Center for Education Statistics under IPEDS



Current "cohort default rate" as calculated by the Department

- Form will include all required elements in a consistent format.
- Data will be downloadable in machine-readable format for import to comparison tools.



Financial Aid Shopping Sheet



- President's Blueprint for Keeping College Affordable
 - <http://www.whitehouse.gov/the-press-office/2012/01/27/fact-sheet-president-obama-s-blueprint-keeping-college-affordable-and-wi>
- Informing Consumers Through Smart Disclosure
 - <http://www.whitehouse.gov/blog/2012/03/30/informing-consumers-through-smart-disclosure>
- The Power of Open Education Data
 - <http://www.whitehouse.gov/blog/2012/06/08/power-open-education-data-0>



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