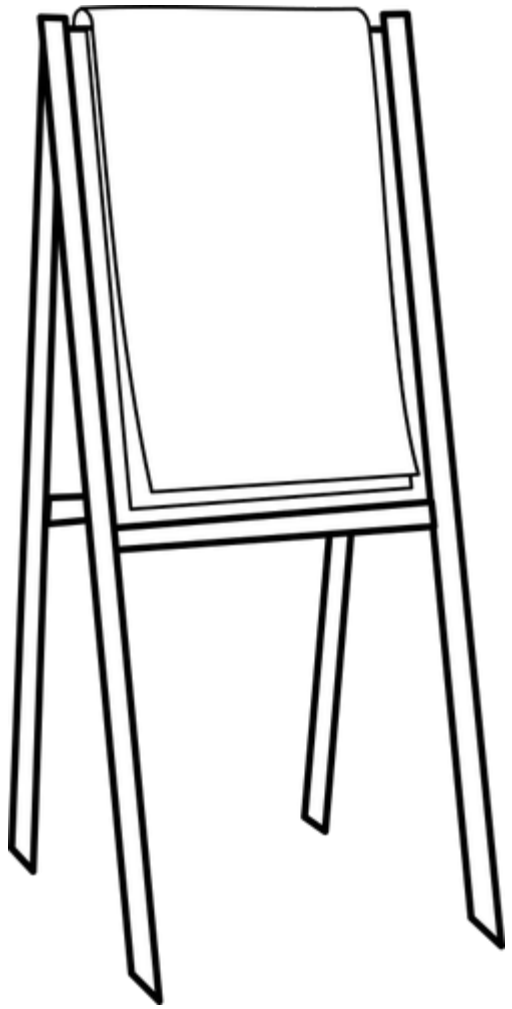
Building New Partnerships with Faculty

NCCCLA • March 5, 2020

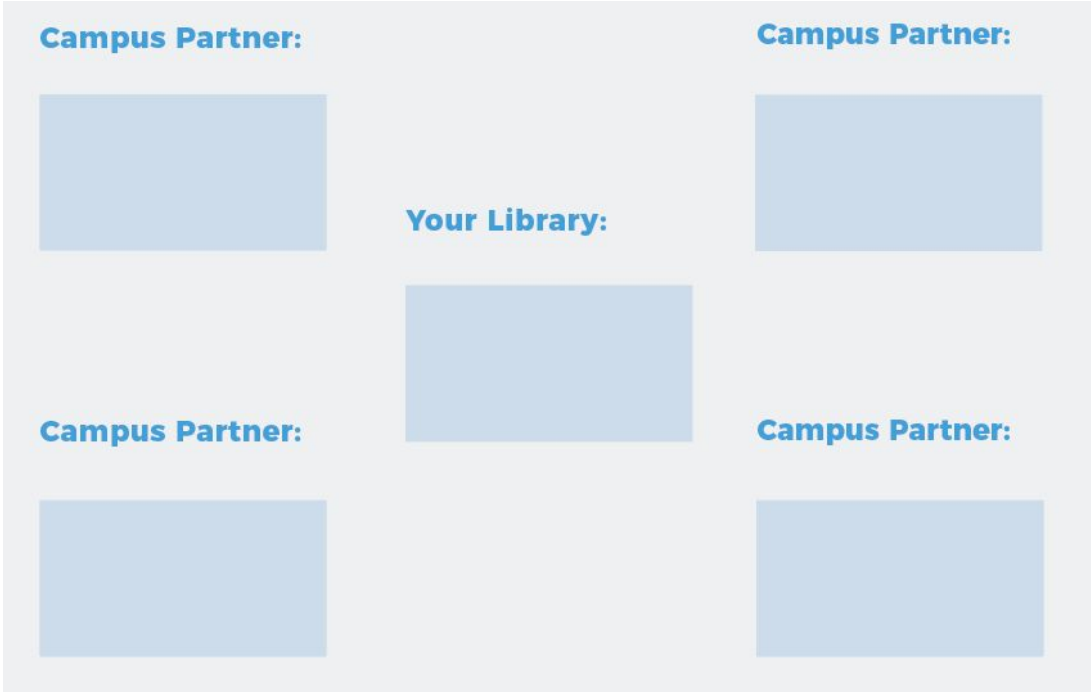
Stand next to the sheet you'd like to talk about



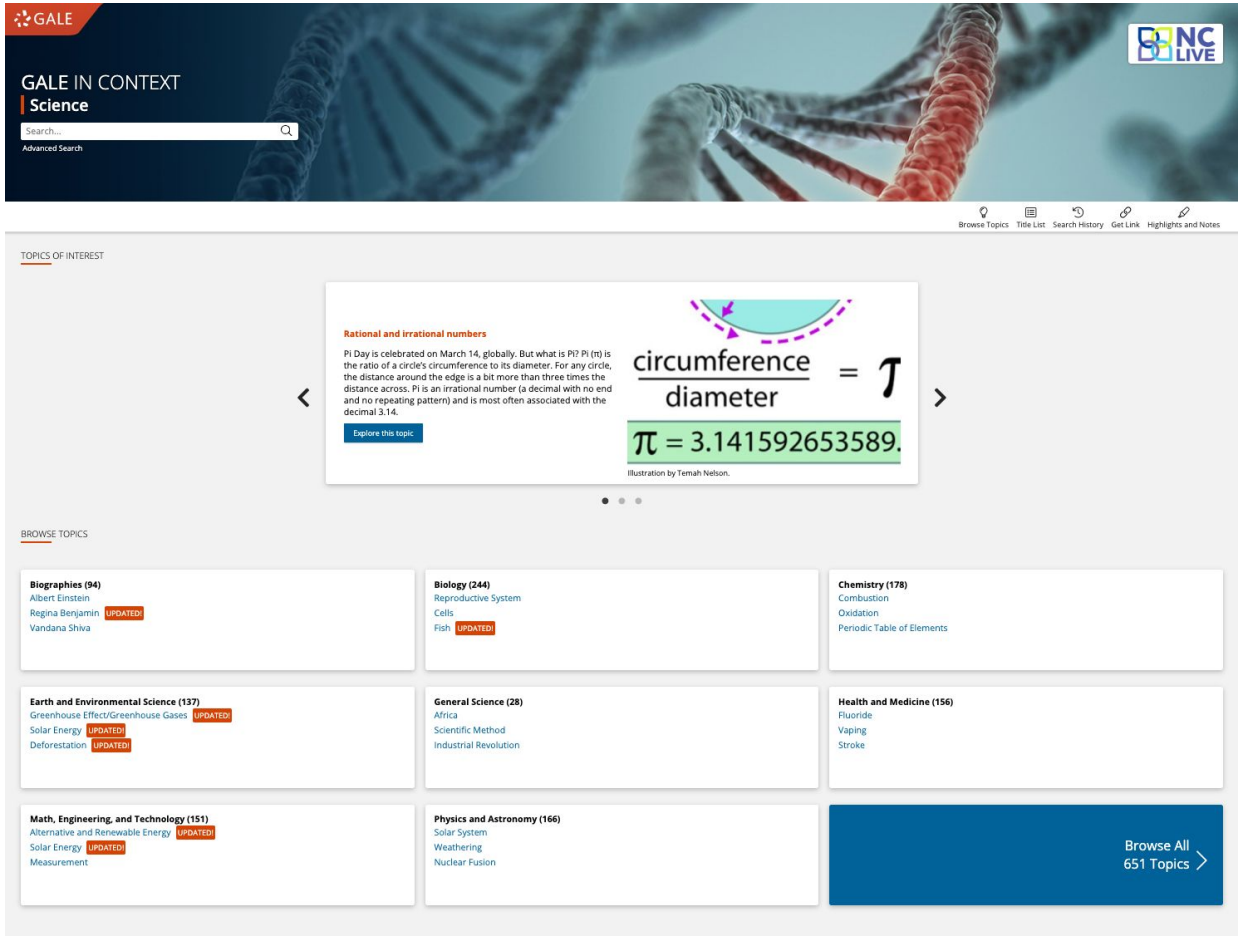
Talk about this campus partner with your group

Write 4 campus partners

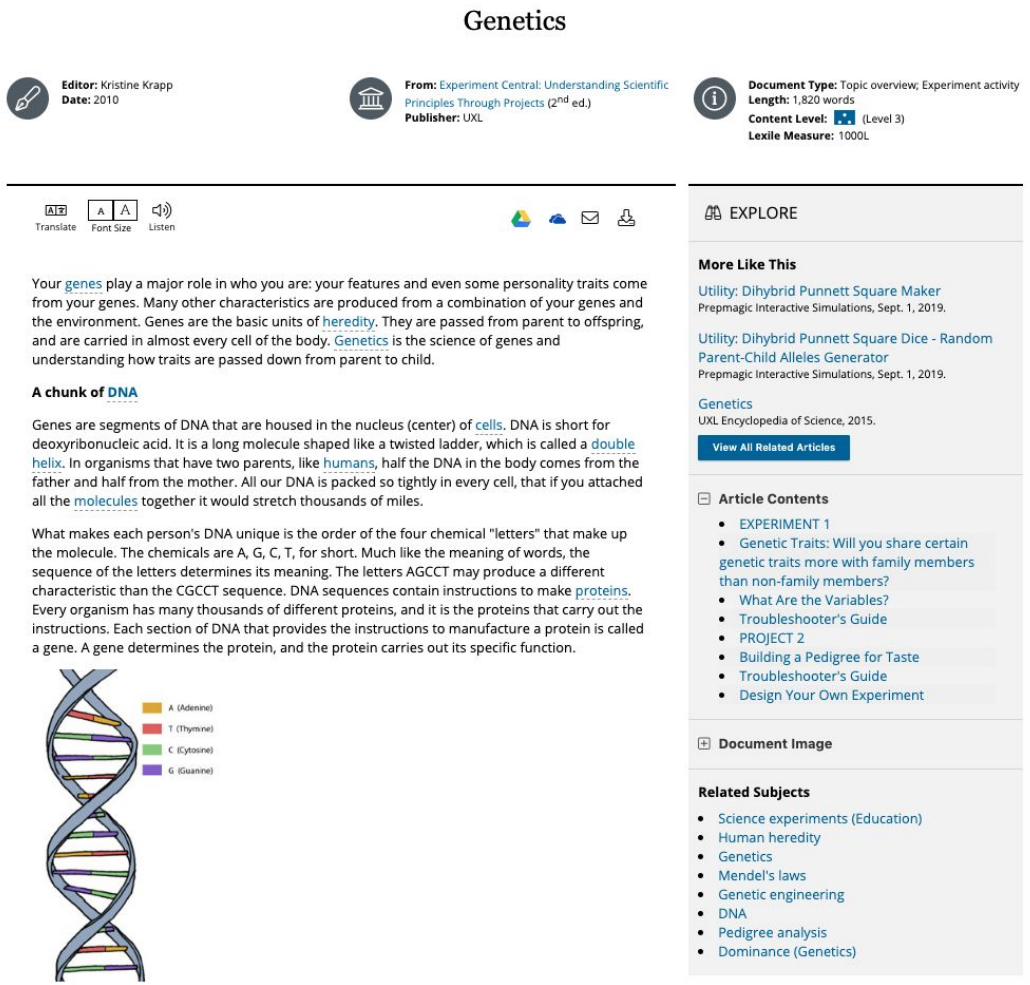
- currently working with
- would like to work with



Gale: Science in Context



Genetics experiment with detailed lesson plan



Genetics

Editor: Kristine Krapp
Date: 2010

From: Experiment Central: Understanding Scientific Principles Through Projects (2nd ed.)
Publisher: UXL

Document Type: Topic overview; Experiment activity
Length: 1,820 words
Content Level: (Level 3)
Lexile Measure: 1000L

Translate | Font Size | Listen

Your genes play a major role in who you are: your features and even some personality traits come from your genes. Many other characteristics are produced from a combination of your genes and the environment. Genes are the basic units of heredity. They are passed from parent to offspring, and are carried in almost every cell of the body. Genetics is the science of genes and understanding how traits are passed down from parent to child.

A chunk of DNA

Genes are segments of DNA that are housed in the nucleus (center) of cells. DNA is short for deoxyribonucleic acid. It is a long molecule shaped like a twisted ladder, which is called a double helix. In organisms that have two parents, like humans, half the DNA in the body comes from the father and half from the mother. All our DNA is packed so tightly in every cell, that if you attached all the molecules together it would stretch thousands of miles.

What makes each person's DNA unique is the order of the four chemical "letters" that make up the molecule. The chemicals are A, G, C, T, for short. Much like the meaning of words, the sequence of the letters determines its meaning. The letters AGCCT may produce a different characteristic than the CGCCT sequence. DNA sequences contain instructions to make proteins. Every organism has many thousands of different proteins, and it is the proteins that carry out the instructions. Each section of DNA that provides the instructions to manufacture a protein is called a gene. A gene determines the protein, and the protein carries out its specific function.

EXPLORE

More Like This

Utility: Dihybrid Punnett Square Maker
Prepmagic Interactive Simulations, Sept. 1, 2019.

Utility: Dihybrid Punnett Square Dice - Random Parent-Child Alleles Generator
Prepmagic Interactive Simulations, Sept. 1, 2019.

Genetics
UXL Encyclopedia of Science, 2015.

View All Related Articles

Article Contents

- EXPERIMENT 1
- Genetic Traits: Will you share certain genetic traits more with family members than non-family members?
- What Are the Variables?
- Troubleshooter's Guide
- PROJECT 2
- Building a Pedigree for Taste
- Troubleshooter's Guide
- Design Your Own Experiment

Document Image

Related Subjects

- Science experiments (Education)
- Human heredity
- Genetics
- Mendel's laws
- Genetic engineering
- DNA
- Pedigree analysis
- Dominance (Genetics)

Chemistry Simulation

Titration of weak acid with strong base

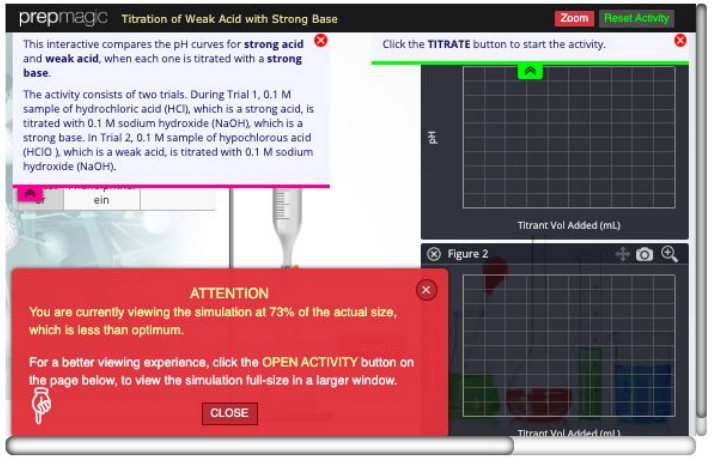
Date: 2019

From: Prepmagic Interactive Simulations
Publisher: Gale, a Cengage Company

Document Type: Interactive simulation
Length: 81 words
Content Level: (Level 4)

Translate | Font Size | Listen

This interactive compares the pH curves for strong acid and weak acid, when each one is titrated with a strong base. The activity consists of two trials. During Trial 1, hydrochloric acid (HCl), which is a strong acid, is titrated with sodium hydroxide (NaOH), which is a strong base. In Trial 2, a sample of hypochlorous acid (HClO), which is a weak acid, is titrated with sodium hydroxide. 2 trials Graphs: pH - Titrant Added, Solution Molarity - Titrant Added



Click to view the activity full-size in a larger window.

Open Activity

EXPLORE

More Like This

Acid Base Titration - Change in pH and molarity
Prepmagic Interactive Simulations, Sept. 1, 2019.

Acid Base Titration - Diprotic Acid 1
Prepmagic Interactive Simulations, Sept. 1, 2019.

DIY Titration: Weak Acid - Strong Base
Prepmagic Interactive Simulations, Sept. 1, 2019.

View All Related Articles

Related Subjects

- Chemical concentration
- Graphic methods
- Hydrochloric acid
- Volumetric analysis
- pH
- Acids
- Bases (Chemistry)
- Sodium hydroxide

CINAHL Plus

Evidence-Based Care Sheets

Quick Lessons

Nursing Research

Demographic Data

Best Practices

Emerging Trends

EVIDENCE-BASED CARE SHEET

Asthma: Management in Older Adults

What We Know

› Asthma is a chronic disease characterized by reversible airway inflammation and the obstruction of airflow due to transient narrowing of the airways, most often as a result of the body's immunologic response to allergens or irritants and, in older adults,as a result of physiologic respiratory changes.[6] Although asthma is commonly referred to as a childhood disease, it is now recognized that the prevalence of asthma in older adults (i.e., individuals > 65 years of age) is higher than previously reported. The exact number of older adults in the United States who have asthma is not known due to underdiagnosis and misdiagnosis, low recognition and underreporting of asthma-related symptoms by the patient, and limited research studies involving older adults with asthma. Results of studies show that asthma in older adults is associated with high rates of hospitalization and substantial healthcare costs, and more than 50% of all asthma-related deaths involve persons with asthma who are 65 years of age and older. In the U.S., patients who are 65 years of age and older represent the 2nd highest age group for all age groups of patients who are hospitalized for asthma, and rank only slightly lower than hospitalized patients with asthma who are 15 years of age and younger. The rate of hospitalizations for older adults is 237 per 100,000, and the average length of hospital stay for this population is 4.5 days[1,3,4,8,10,11,13,15,16]

- In high-income countries, up to 10% of older adults have asthma, including more than 1 million older adults in the U.S. Asthma in older adults may be the result of persistent childhood asthma that worsens (referred to as long-standing asthma [LSA]) or the result of intermittent asthma during childhood that reemerges later in life (referred to as late-onset asthma [LOA])[7,11]
  - LSA is often due to an allergen sensitization, or trigger exposure, and can begin in childhood or early adulthood and gradually become more severe[7,11]
  - LOA manifests as persistent wheezing following a viral or bacterial upper respiratory tract infection in persons over 40 years of age. LOA can also develop following occupational exposure (e.g., to aerosol chemicals) and as a result of intolerance to aspirin or NSAIDs[11]

› Older adults who develop asthma, including those with no history of asthma or other respiratory disease, usually experience symptoms that are more severe than symptoms in younger persons, yet their asthma is frequently misdiagnosed or not diagnosed; this is particularly the case in older adults who smoke. As many as 50% of older adults with asthma either smoke or use to smoke cigarettes, and oral steroid treatment is less effective during acute exacerbations in older adults with asthma who smoke than in nonsmokers or persons who have quit smoking[1,3,5,7,8,11,13,15,17]

- Signs and symptoms that develop in older adults are not specific to asthma and can be more severe due to age-related anatomic and physiologic deterioration, including[8,10,11]
  - less elastic airways, which lead to increased trapped air and increased bronchoconstriction[5,11]
  - decreased strength of respiratory muscles[5]
  - a decrease in antioxidant defenses, potentially causing older patients to be more susceptible to the asthma-promotingeffects of air pollutants[8]

ICD-9
493

ICD-10
J45

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February 2, 2018

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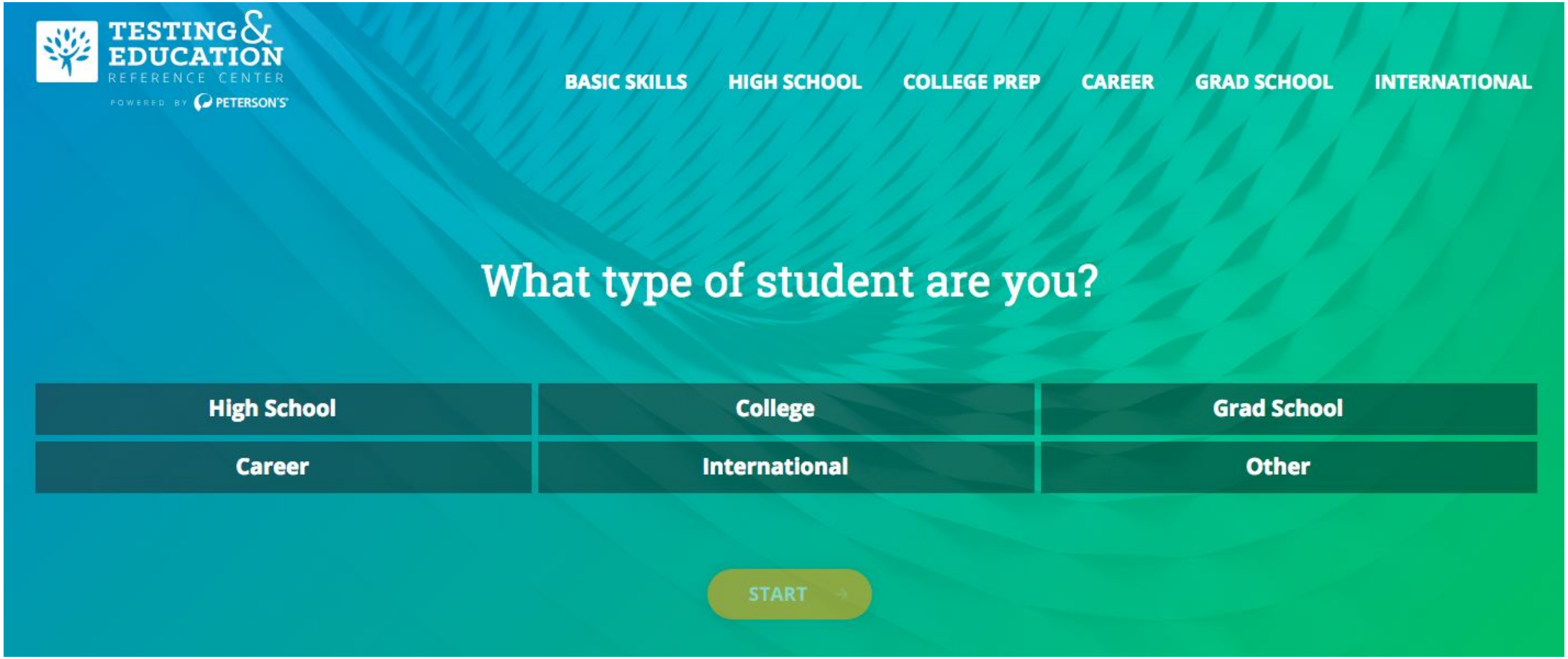
Testing and Education Reference Center



SAT

Effective January 2016, the SAT has changed! The redesigned SAT allows students to showcase their best work to colleges and universities by focusing on skills that matter most for college readiness and success. The SAT scoring rubrics have also been redesigned, with the optional Essay being scored separately.

Open All

Online Practice Tests and Courses:

- SAT Practice Tests
- SAT Online Course

Articles

- Beat Test Stress
- SAT Testing Information
- Word of the Day

Computing and Information Technology Practice Test 2: Computing and Information Technology Practice Test 2

Section 1 of 1

This section: 01:59:53 Total: 01:59:53 Pause

Question 1 of 100 Toolbox Revisit Later Review & Finalize Section

Which of the following components is the command center of a computer processor?

A. RAM
B. L1 cache
C. Control unit
D. Arithmetic and logic unit

✖ A

✖ B

✖ C

✖ D

Confirm

Chapter 2:
Test-taking Strategies for the ACT®

OVERVIEW

- Core Study Strategies
- Building Your ACT® Study Plan
- Test-taking Strategies
- Summing It Up

We know why you're reading this book—you're committed to getting your best possible score on the ACT and are looking for some effective strategies to prepare. You know how important this exam is, and you're determined to take it seriously.

Smart move.

We take preparing for the ACT *very* seriously, and our team of test experts has designed this chapter to highlight some proven approaches to preparing for test-day success.

Remember, every test-taker is different and what works well for some may not work as well for others—keep this important note in mind as you incorporate the strategies presented here into your test-prep plan.

NEW Resume Tool in TERC

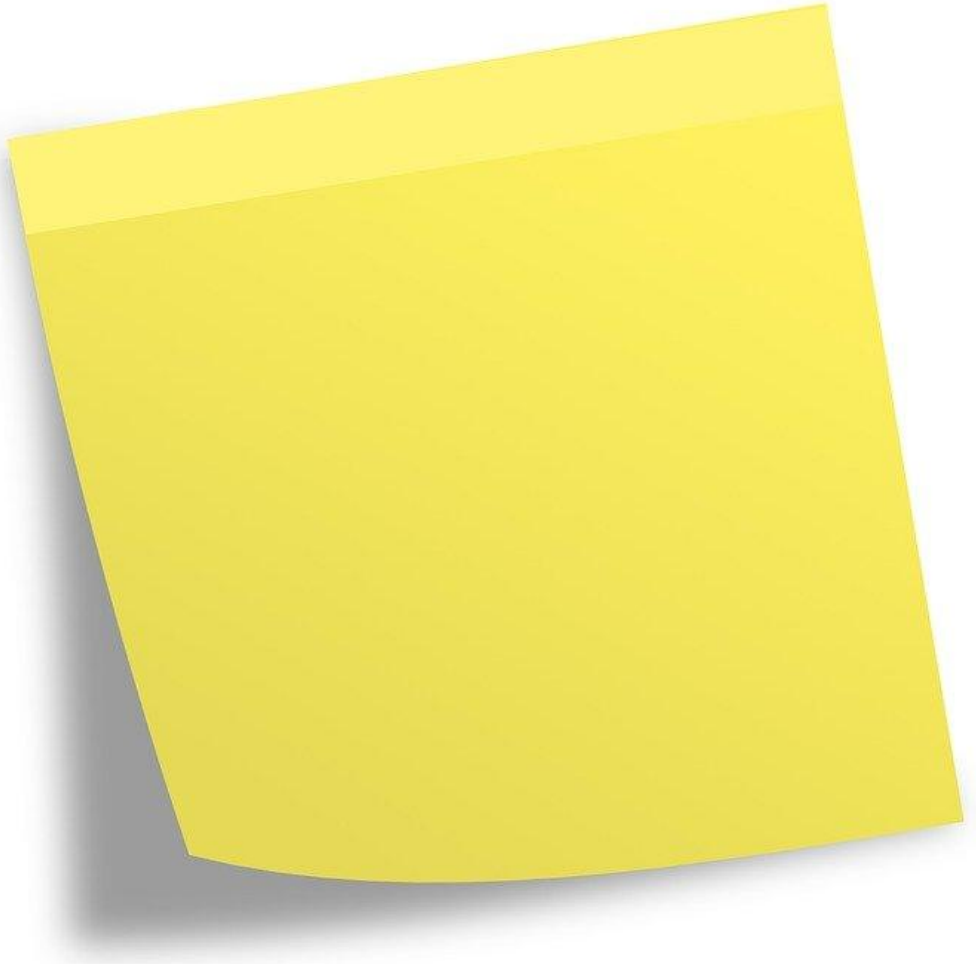
Sit with your group

- STEM
- Health Sciences
- Career Services

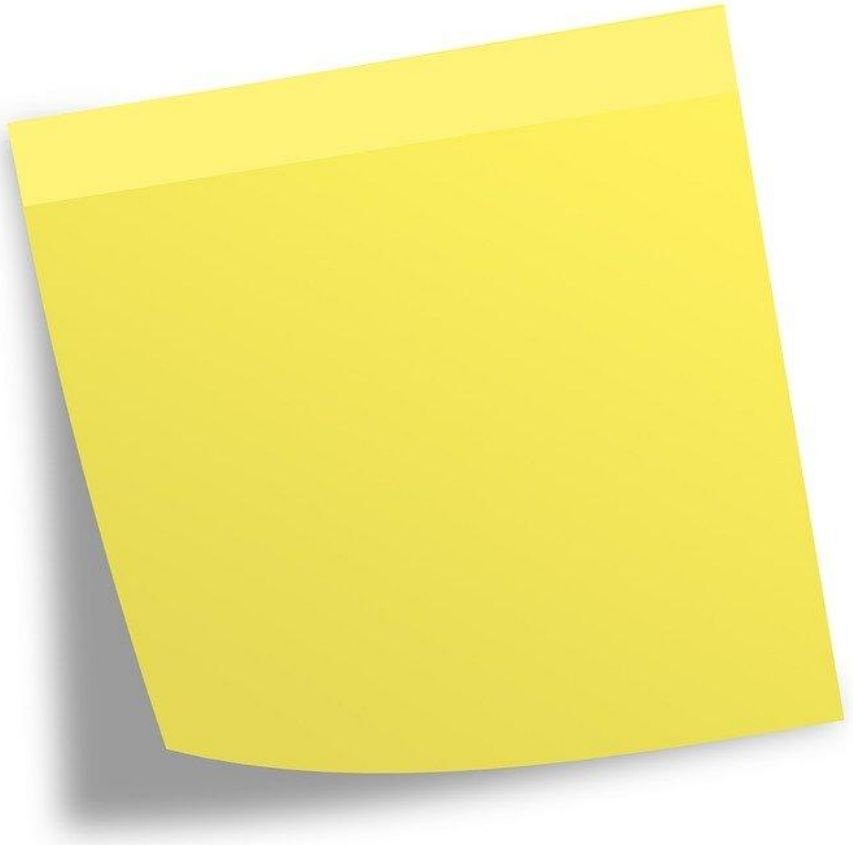
Search in your resource

- STEM - *Gale : Science in Context*
- Health Sciences - *CINAHL*
- Career Services - *TERC*

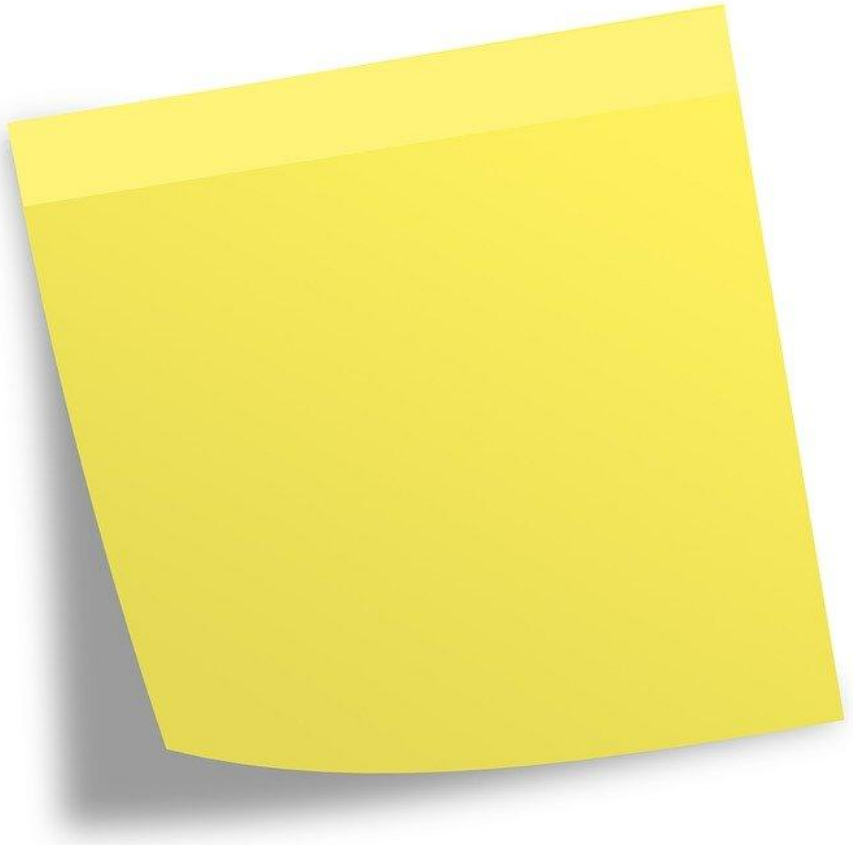
Take Post-Its



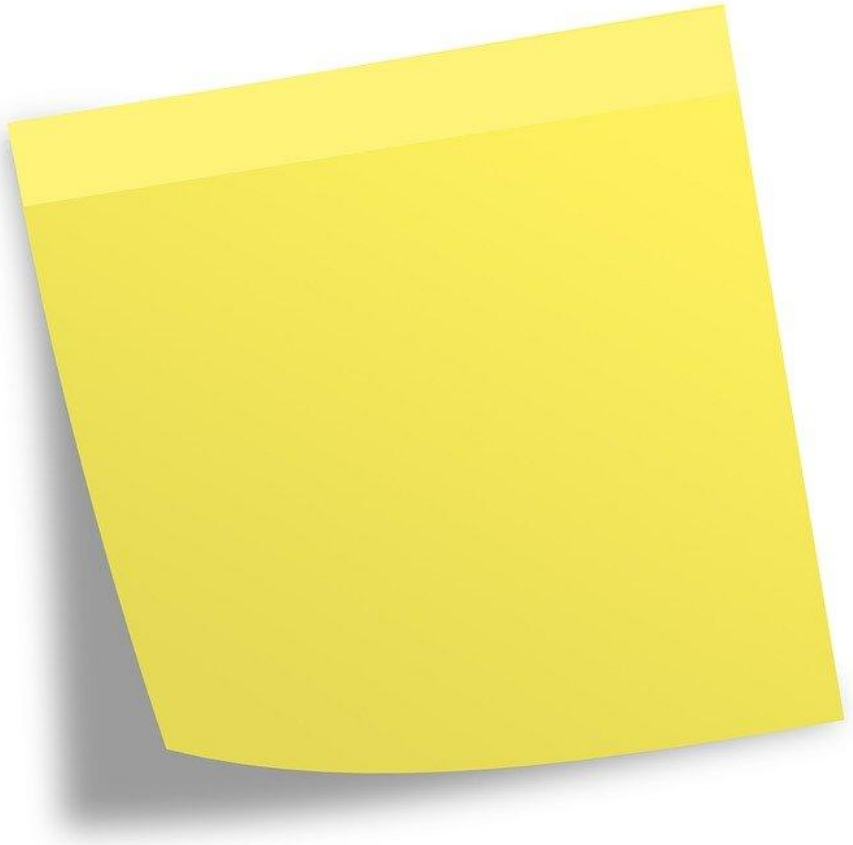
Write ideas for using this resource



Pass your post-its to someone in your group



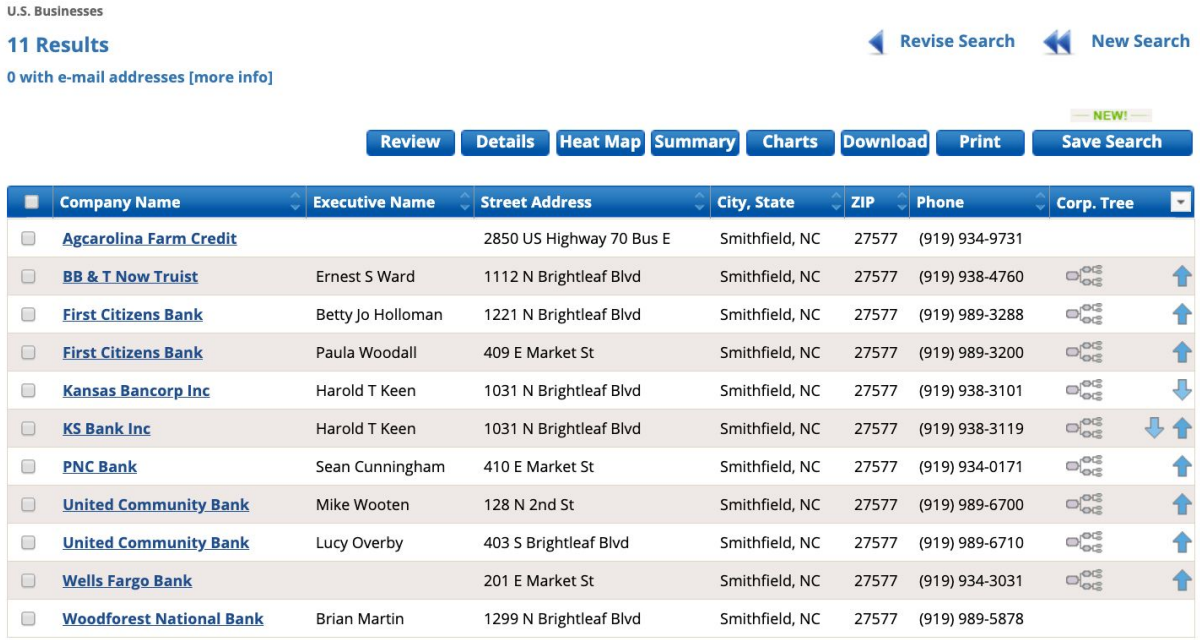
Discuss your ideas with your group



Quick Poll!

Reference USA

Look up profiles of millions of businesses



U.S. Businesses

11 Results

Revise Search | New Search

0 with e-mail addresses [more info]

NEW!

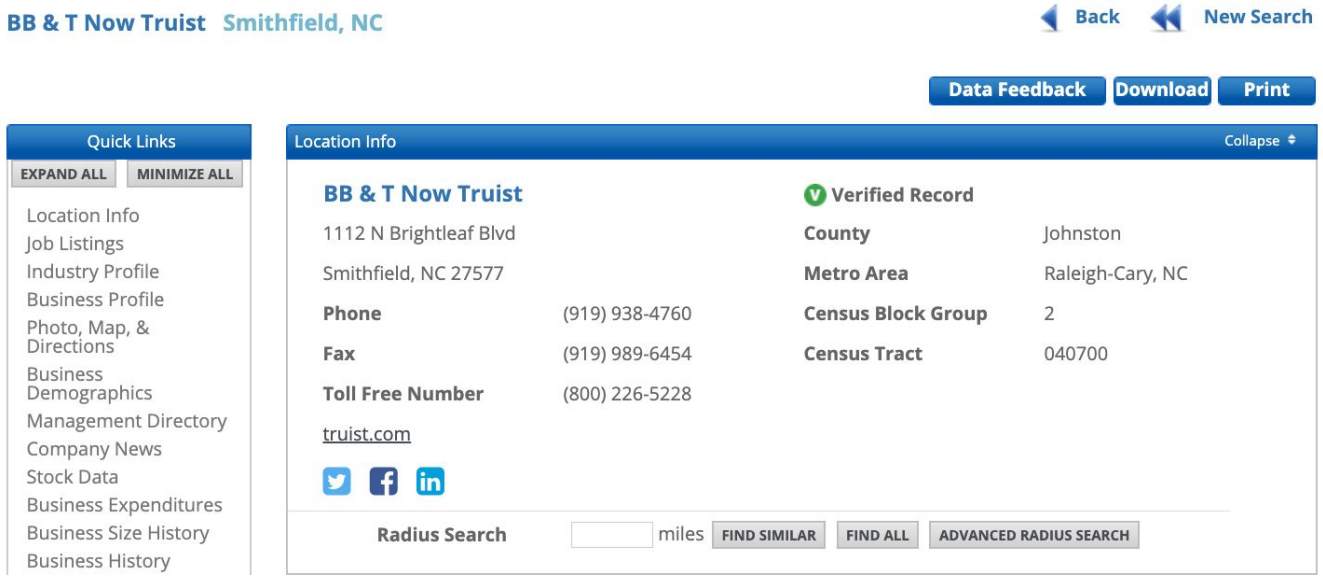
Review | Details | Heat Map | Summary | Charts | Download | Print | Save Search

Company Name	Executive Name	Street Address	City, State	ZIP	Phone	Corp. Tree
Agcarolina Farm Credit		2850 US Highway 70 Bus E	Smithfield, NC	27577	(919) 934-9731	
BB & T Now Truist	Ernest S Ward	1112 N Brightleaf Blvd	Smithfield, NC	27577	(919) 938-4760	
First Citizens Bank	Betty Jo Holloman	1221 N Brightleaf Blvd	Smithfield, NC	27577	(919) 989-3288	
First Citizens Bank	Paula Woodall	409 E Market St	Smithfield, NC	27577	(919) 989-3200	
Kansas Bancorp Inc	Harold T Keen	1031 N Brightleaf Blvd	Smithfield, NC	27577	(919) 938-3101	
KS Bank Inc	Harold T Keen	1031 N Brightleaf Blvd	Smithfield, NC	27577	(919) 938-3119	
PNC Bank	Sean Cunningham	410 E Market St	Smithfield, NC	27577	(919) 934-0171	
United Community Bank	Mike Wooten	128 N 2nd St	Smithfield, NC	27577	(919) 989-6700	
United Community Bank	Lucy Overby	403 S Brightleaf Blvd	Smithfield, NC	27577	(919) 989-6710	
Wells Fargo Bank		201 E Market St	Smithfield, NC	27577	(919) 934-3031	
Woodforest National Bank	Brian Martin	1299 N Brightleaf Blvd	Smithfield, NC	27577	(919) 989-5878	

Banks in Smithfield

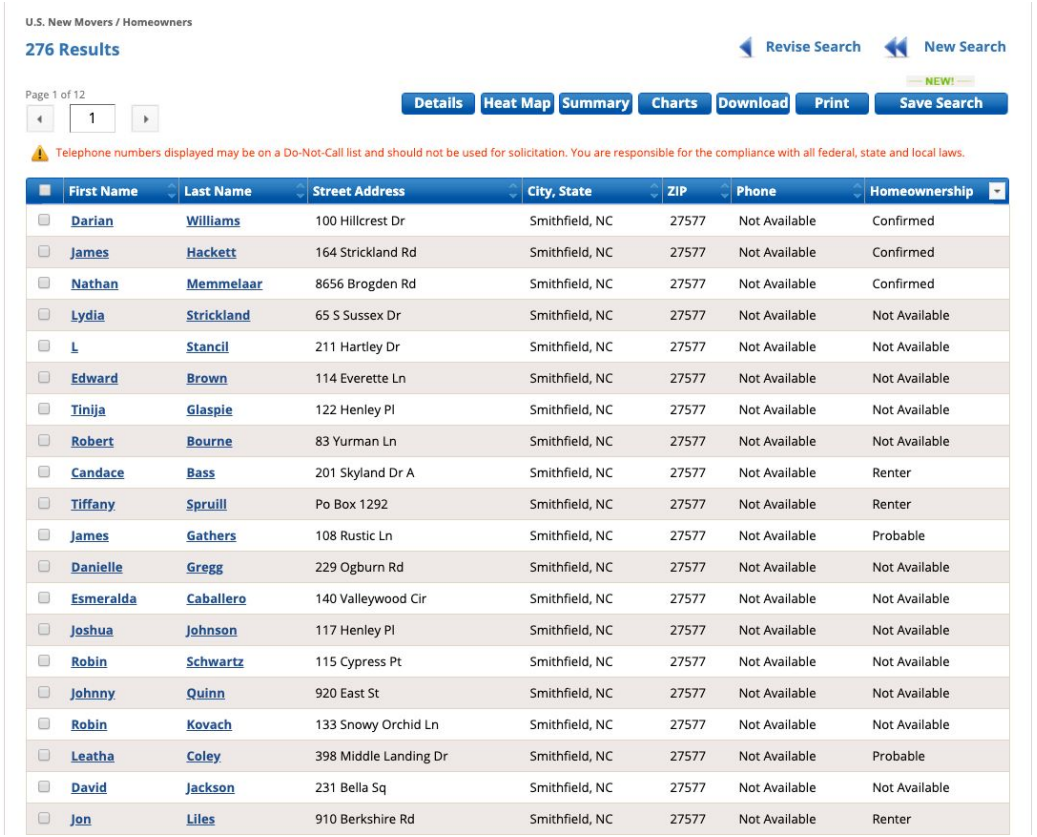
Reference USA

Learn about sales revenue, staff size, etc.



Reference USA

Create targeted mailing lists



U.S. New Movers / Homeowners

276 Results

Revise Search | New Search

Page 1 of 12

1

NEW!

Details | Heat Map | Summary | Charts | Download | Print | Save Search

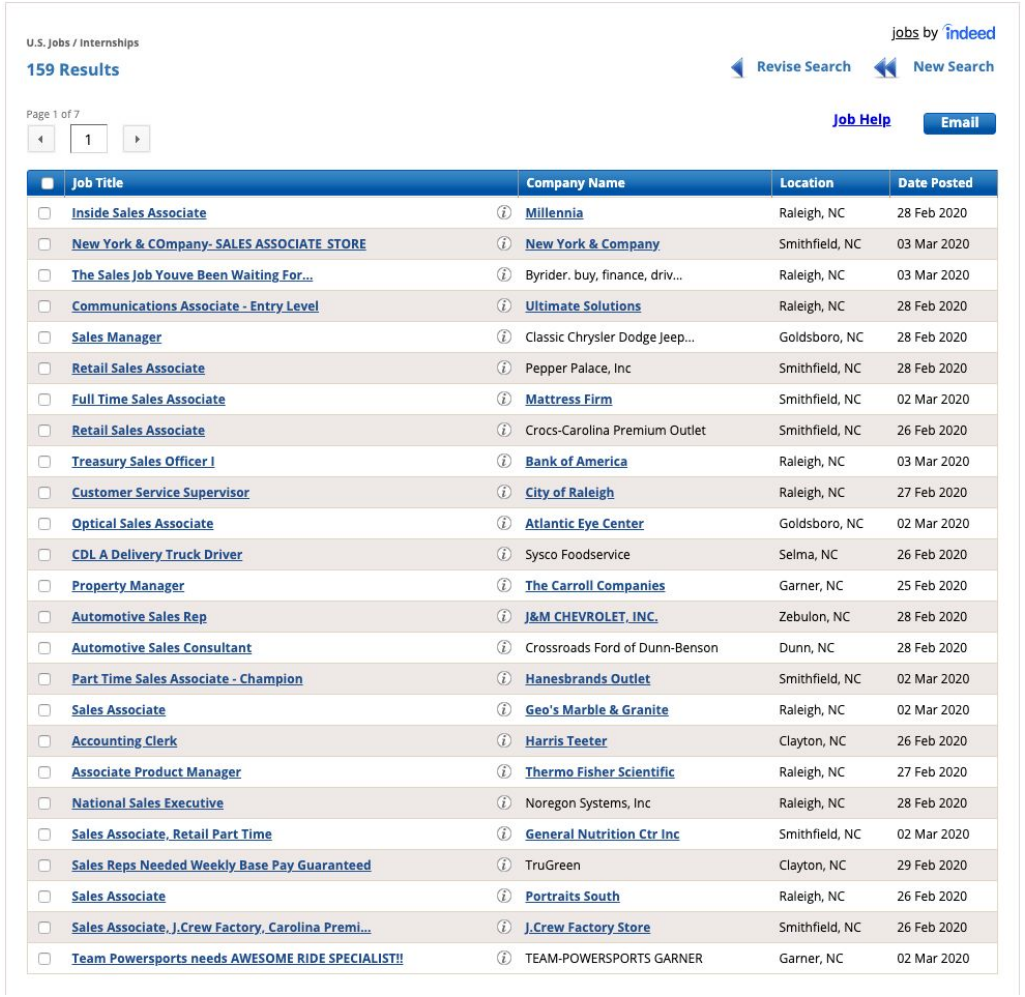
Telephone numbers displayed may be on a Do-Not-Call list and should not be used for solicitation. You are responsible for the compliance with all federal, state and local laws.

First Name	Last Name	Street Address	City, State	ZIP	Phone	Homeownership
Darian	Williams	100 Hillcrest Dr	Smithfield, NC	27577	Not Available	Confirmed
James	Hackett	164 Strickland Rd	Smithfield, NC	27577	Not Available	Confirmed
Nathan	Memmelaar	8656 Brogden Rd	Smithfield, NC	27577	Not Available	Confirmed
Lydia	Strickland	65 S Sussex Dr	Smithfield, NC	27577	Not Available	Not Available
L	Stancil	211 Hartley Dr	Smithfield, NC	27577	Not Available	Not Available
Edward	Brown	114 Everette Ln	Smithfield, NC	27577	Not Available	Not Available
Tinija	Glaspie	122 Henley Pl	Smithfield, NC	27577	Not Available	Not Available
Robert	Bourne	83 Yurman Ln	Smithfield, NC	27577	Not Available	Not Available
Candace	Bass	201 Skyland Dr A	Smithfield, NC	27577	Not Available	Renter
Tiffany	Spruill	Po Box 1292	Smithfield, NC	27577	Not Available	Renter
James	Gathers	108 Rustic Ln	Smithfield, NC	27577	Not Available	Probable
Danielle	Gregg	229 Ogburn Rd	Smithfield, NC	27577	Not Available	Not Available
Esmeralda	Caballero	140 Valleywood Cir	Smithfield, NC	27577	Not Available	Not Available
Joshua	Johnson	117 Henley Pl	Smithfield, NC	27577	Not Available	Not Available
Robin	Schwartz	115 Cypress Pt	Smithfield, NC	27577	Not Available	Not Available
Johnny	Quinn	920 East St	Smithfield, NC	27577	Not Available	Not Available
Robin	Kovach	133 Snowy Orchid Ln	Smithfield, NC	27577	Not Available	Not Available
Leatha	Coley	398 Middle Landing Dr	Smithfield, NC	27577	Not Available	Probable
David	Jackson	231 Bella Sq	Smithfield, NC	27577	Not Available	Not Available
Jon	Liles	910 Berkshire Rd	Smithfield, NC	27577	Not Available	Renter

New homeowners
and renters in Smithfield since December

Reference USA

Search for jobs and internships that meet your criteria



U.S. Jobs / Internships

159 Results

jobs by indeed

Revise Search | New Search

Page 1 of 7

1

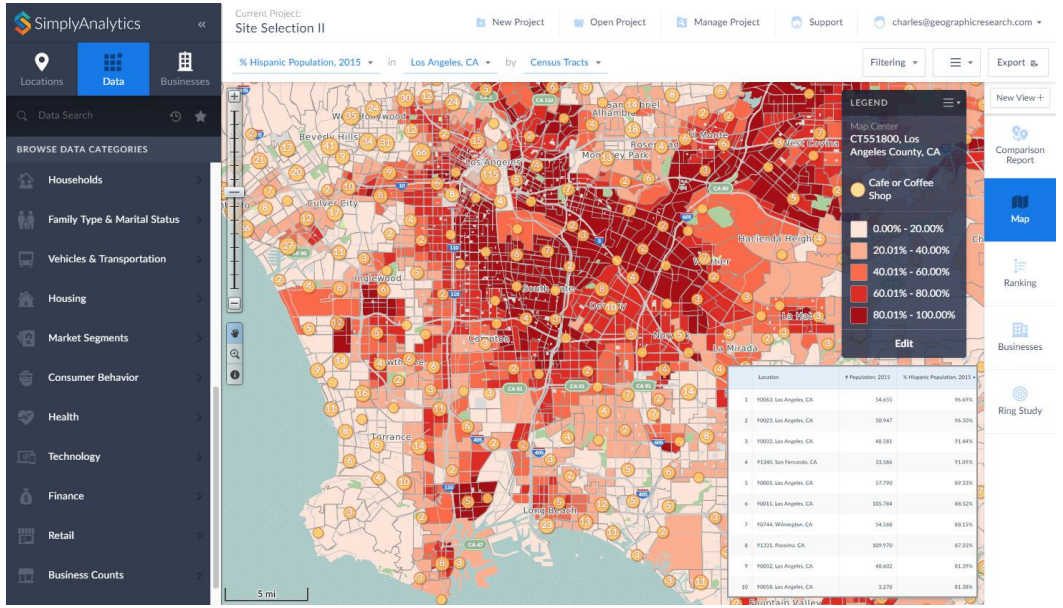
Job Help | Email

Job Title	Company Name	Location	Date Posted
Inside Sales Associate	Millennia	Raleigh, NC	28 Feb 2020
New York & COmpany- SALES ASSOCIATE STORE	New York & Company	Smithfield, NC	03 Mar 2020
The Sales Job Youve Been Waiting For...	Byrider. buy, finance, driv...	Raleigh, NC	03 Mar 2020
Communications Associate - Entry Level	Ultimate Solutions	Raleigh, NC	28 Feb 2020
Sales Manager	Classic Chrysler Dodge Jeep...	Goldsboro, NC	28 Feb 2020
Retail Sales Associate	Pepper Palace, Inc	Smithfield, NC	28 Feb 2020
Full Time Sales Associate	Mattress Firm	Smithfield, NC	02 Mar 2020
Retail Sales Associate	Crocs-Carolina Premium Outlet	Smithfield, NC	26 Feb 2020
Treasury Sales Officer I	Bank of America	Raleigh, NC	03 Mar 2020
Customer Service Supervisor	City of Raleigh	Raleigh, NC	27 Feb 2020
Optical Sales Associate	Atlantic Eye Center	Goldsboro, NC	02 Mar 2020
CDL A Delivery Truck Driver	Sysco Foodservice	Selma, NC	26 Feb 2020
Property Manager	The Carroll Companies	Garner, NC	25 Feb 2020
Automotive Sales Rep	J&M CHEVROLET, INC.	Zebulon, NC	28 Feb 2020
Automotive Sales Consultant	Crossroads Ford of Dunn-Benson	Dunn, NC	28 Feb 2020
Part Time Sales Associate - Champion	Hanesbrands Outlet	Smithfield, NC	02 Mar 2020
Sales Associate	Geo's Marble & Granite	Raleigh, NC	02 Mar 2020
Accounting Clerk	Harris Teeter	Clayton, NC	26 Feb 2020
Associate Product Manager	Thermo Fisher Scientific	Raleigh, NC	27 Feb 2020
National Sales Executive	Noregon Systems, Inc	Raleigh, NC	28 Feb 2020
Sales Associate, Retail Part Time	General Nutrition Ctr Inc	Smithfield, NC	02 Mar 2020
Sales Reps Needed Weekly Base Pay Guaranteed	TruGreen	Clayton, NC	29 Feb 2020
Sales Associate	Portraits South	Raleigh, NC	26 Feb 2020
Sales Associate, J.Crew Factory, Carolina Premi...	J.Crew Factory Store	Smithfield, NC	26 Feb 2020
Team Powersports needs AWESOME RIDE SPECIALIST!!	TEAM-POWERSPORTS GARNER	Garner, NC	02 Mar 2020

Nearby “sales” jobs from the last two weeks

SimplyAnalytics

Create maps of demographic, marketing, & business data



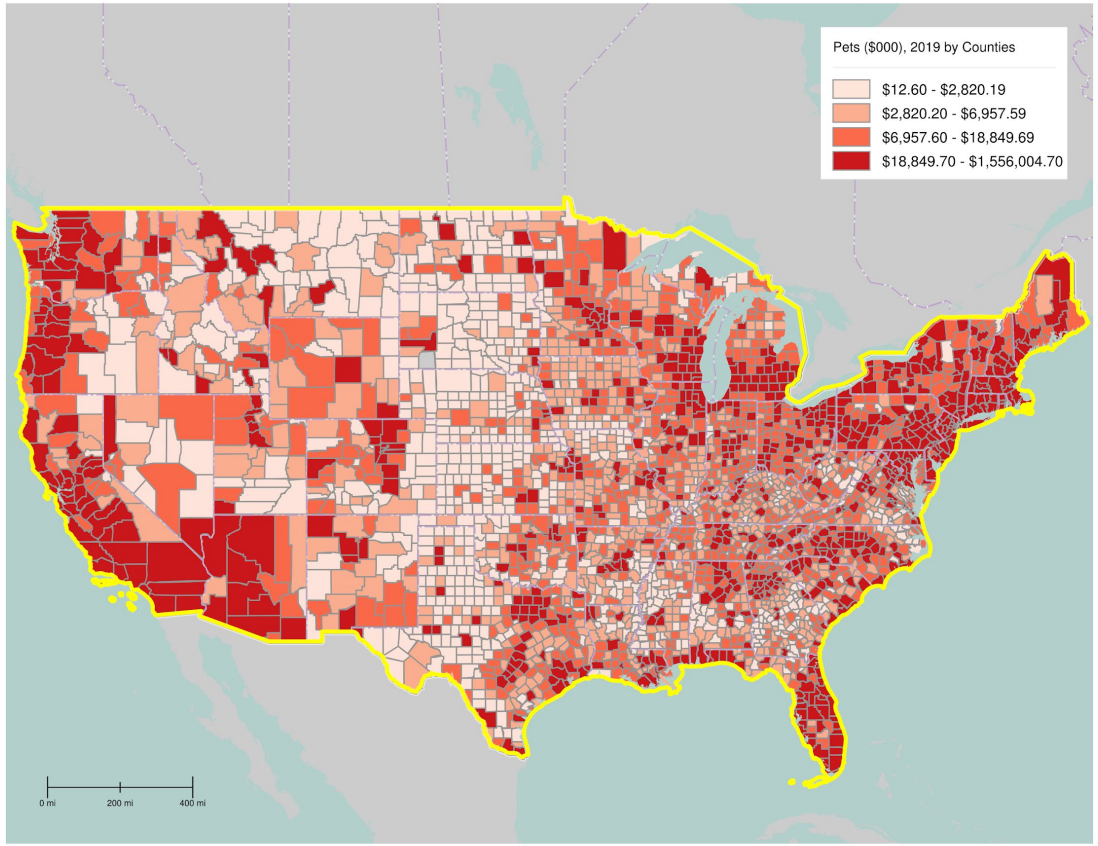
SimplyAnalytics

Make tables that help you analyze and compare locations

	Smithfield, NC	Raleigh, NC	North Carolina	USA
Median Household Income, 2019	$37,373.00	$74,263.00	$64,706.00	$71,720.00
% Education Attainment, College, Master's or Doctorate Degree, 2019	18.29%	43.80%	26.84%	27.99%
% Housing, Built 1939 or Earlier, 2019	4.87%	2.48%	4.82%	11.50%

SimplyAnalytics

Use them in grants, presentations, business plans, and more!



SimplyAnalytics®

Characteristics of populations

referenceUSA®

Profiles of individual businesses

Number, locations, types, and sizes of all the businesses within a specified search area

Quick Poll!

Problem

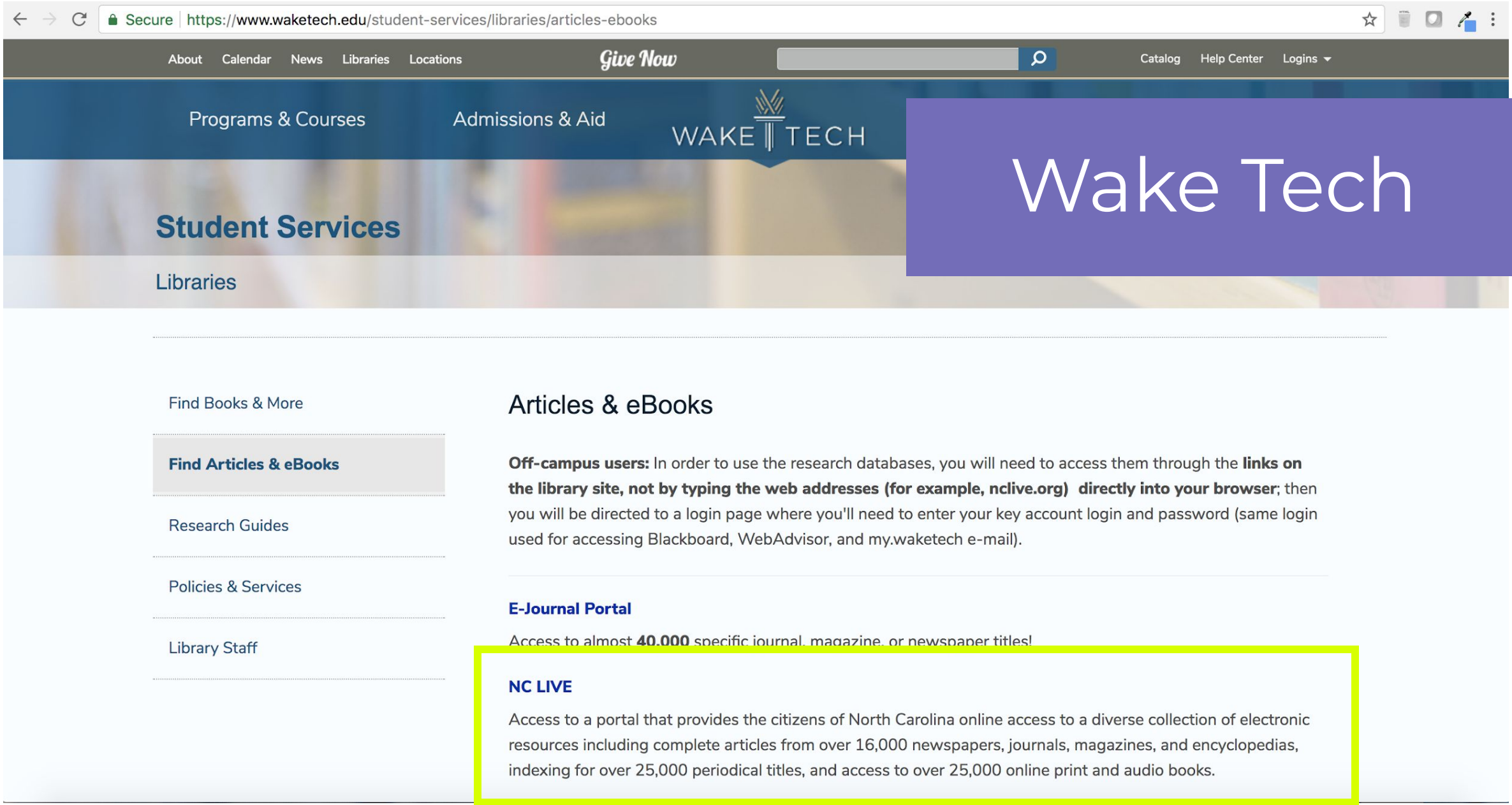
People have tunnel vision.

Solution

Increase the encounters that patrons have with NC LIVE resources.

Online

Linking to NC LIVE and individual resources in multiple places.


Secure https://www.waketech.edu/student-services/libraries/articles-ebooks
About Calendar News Libraries Locations Give Now Catalog Help Center Logins
Programs & Courses Admissions & Aid
WAKE TECH
Student Services
Libraries
Find Books & More
Find Articles & eBooks
Research Guides
Policies & Services
Library Staff
Articles & eBooks
Off-campus users: In order to use the research databases, you will need to access them through the links on the library site, not by typing the web addresses (for example, nclive.org) directly into your browser; then you will be directed to a login page where you'll need to enter your key account login and password (same login used for accessing Blackboard, WebAdvisor, and my.waketech e-mail).
E-Journal Portal
Access to almost 40,000 specific journal, magazine, or newspaper titles!
NC LIVE
Access to a portal that provides the citizens of North Carolina online access to a diverse collection of electronic resources including complete articles from over 16,000 newspapers, journals, magazines, and encyclopedias, indexing for over 25,000 periodical titles, and access to over 25,000 online print and audio books.

Wake Tech

Other Places for Resource Links

Academic

- Department pages
- Moodle / course pages
- Class syllabi
- Career Centers
- Student Interest Groups

In-Person

Meet your patrons where they are. Include these resources in existing outreach and instruction.

Strategic Mapping

Point of Need		Promotion / Outreach
Students need to create resumes	→	Demo *VisualCV Resume Builder* at a job fair
Faculty member creating a syllabus	→	Workshop/consultation on using *Gale: Science in Context*
Student up late finishing a paper	→	Business-card size handout

For all your questions,
academic and otherwise.
Find reliable info you can
cite for class and research
assignments.
CREDO
via nclive.org
NC
LIVE
Who created our
national parks
system?
How is artificial
intelligence
related to
human
memory?

Problem

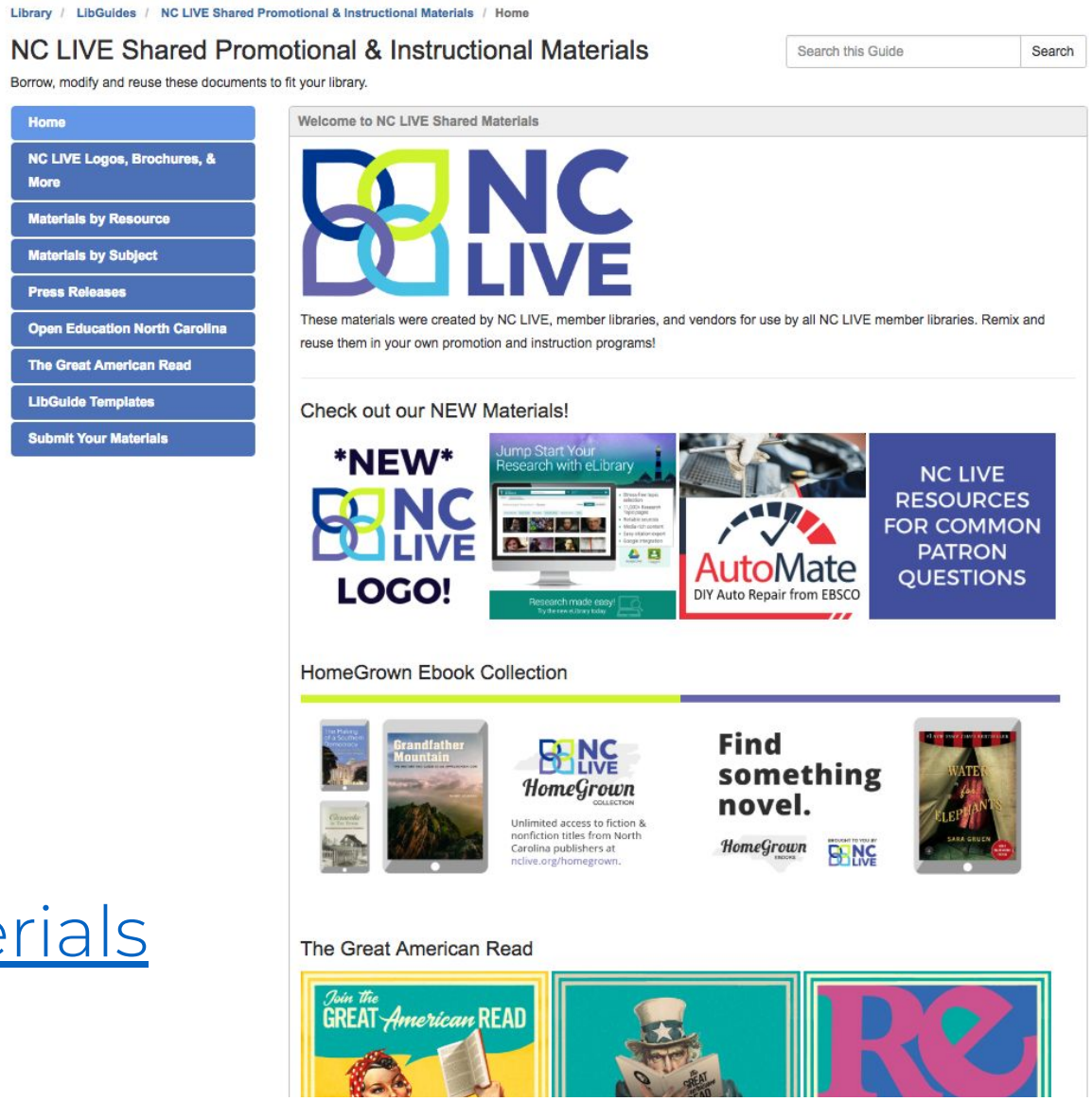
Making great library materials take a lot of time and energy.

Solution

A community-built collection of promotional and instructional materials.

Shared Promotional & Instructional Materials

nclive.libguides.com/materials



Library / LibGuides / N

NC LIVE Sha

Borrow, modify and reuse

Home

NC LIVE Logos, Broc

Materials by Resourc

Materials by Subject

LibGuide Templates

Submit Your Materia

Search

CQ RESEARCHER

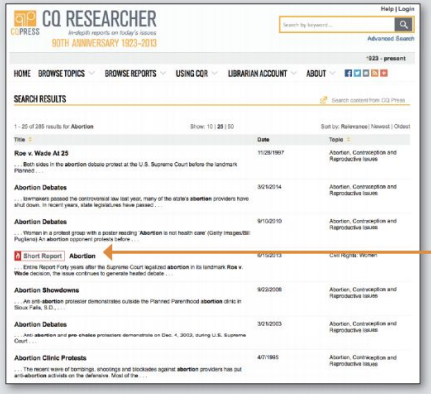
SAMPLE SEARCHES

Once you are ready to search, you can start by either entering the search term in the search box or using various browsing options at the top of the page. Reports can be browsed by:

- Topic—roughly 30 different topic categories
- Date—reports going back to 1923 for 90 years' worth of content at your fingertips
- Issue Tracker—relevant reports on similar topics, making it easy to follow key topics through time
- Pro/Con—arguments typically written by leading experts, commissioned exclusively for CQ Researcher and organized by topic

"abortion"

Let's do a quick search on a topic. Let's search on "abortion," since it is consistently one of our top searches. The search result displays report titles and the topics that they fall under. Please note that our search results default to a relevancy display and not a date-ordered display. That's why "Roe v. Wade" is displayed as one of the first search results even though it was published in 1997. You can change the search function to a date-ordered display if you prefer.



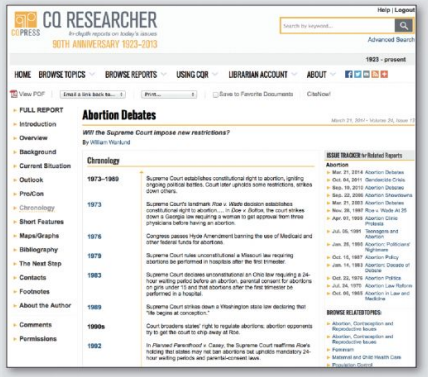
1 You'll also note that some topics have a symbol next to them indicating that they are among the 20 hot topics listed on the home page.

Let's select a report and choose "Abortion Debates." Each report is roughly 13,000 words and broken into 13 sections. The sections are listed on the "left nav."

Reports begin with an **Overview** section, followed by three debate-style issue questions and then a **Background** section that provides historical context. Next is the **Current Situation** section, focusing on where the topic stands today, followed by a forward-looking **Outlook** section.

2 Also notice the "Issue Tracker" which allows users to track reports published on a particular issue back to 1923.

Reports are extensively footnoted, providing students with online links to cited articles for additional research. Also, each report has a **chronology** showing the topic's progression through time. In this case, we can see that debates started as early as 1973.



Reports also include a bibliography, short sidebar features, plus visuals such as maps, graphs, and tables to help students delve deeply into issues.

ABI/INFORM Public Library Flyer

Action Items

1.

2.

3.

nclive.org/instruction

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