



**Promoting  
Energy and  
Safety  
Awareness**




**Kelly Flowers**

Senior Program Director



**Ian Wright**

Director of Business Development



NEF's  
mission is  
to  
cultivate  
and  
promote  
an energy  
literate  
society.



# Headquarters - Salt Lake City

501(c)(3) nonprofit organization

40 years

# Making an Impact





# National Energy Foundation's Target Audience



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**Students**



**Teachers**



# National Energy Foundation's Target Audience



**Students**



**Teachers**



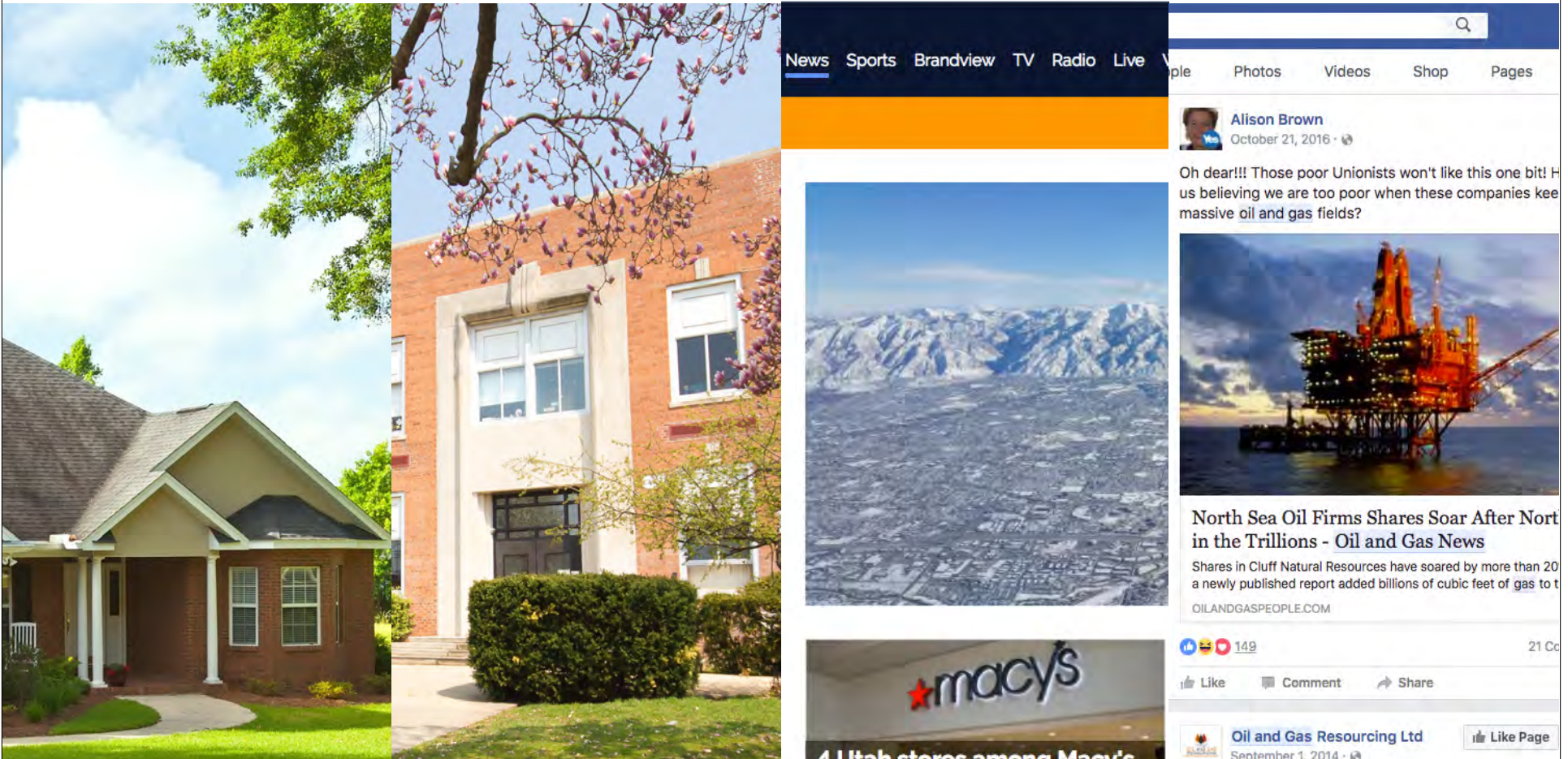
**Community**

# National Energy Foundation's **Target Audience**

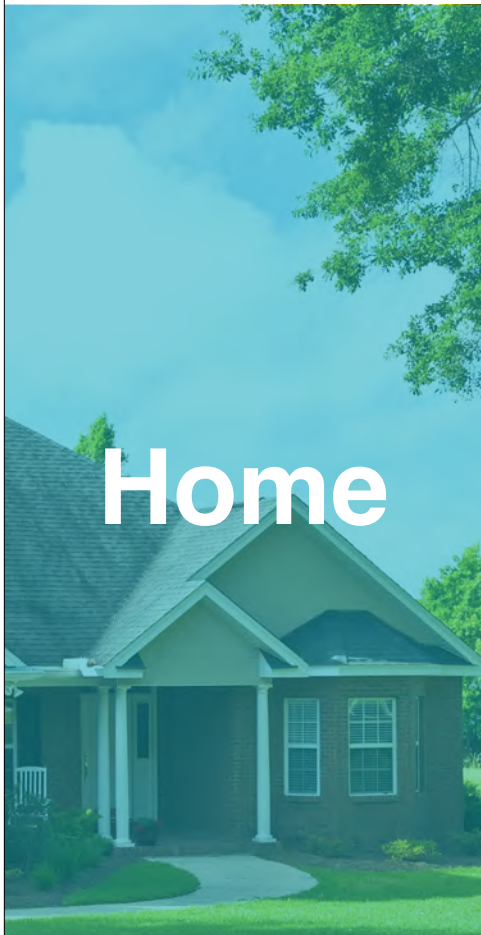
# Understanding of

# **Understanding of Energy Safety**

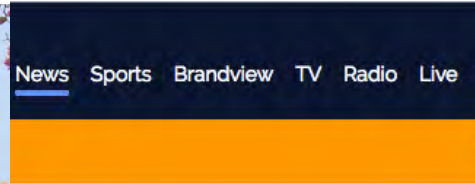
# Understanding of Energy Safety



# Understanding of Energy Safety



Home



Alison Brown  
October 21, 2016 · 🌐

Oh dear!!! Those poor Unionists won't like this one bit! How are we believing we are too poor when these companies keep massive oil and gas fields?



**North Sea Oil Firms Shares Soar After North Sea Oil Discoveries in the Trillions - Oil and Gas News**

Shares in Cluff Natural Resources have soared by more than 20% after a newly published report added billions of cubic feet of gas to the UK's reserves.

OILANDGASPEOPLE.COM



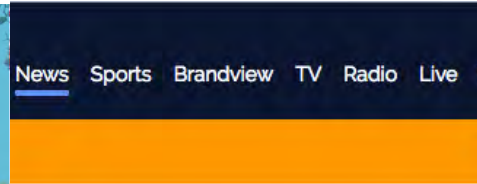
# Understanding of Energy Safety



Home



School



Alison Brown  
October 21, 2016 ·  
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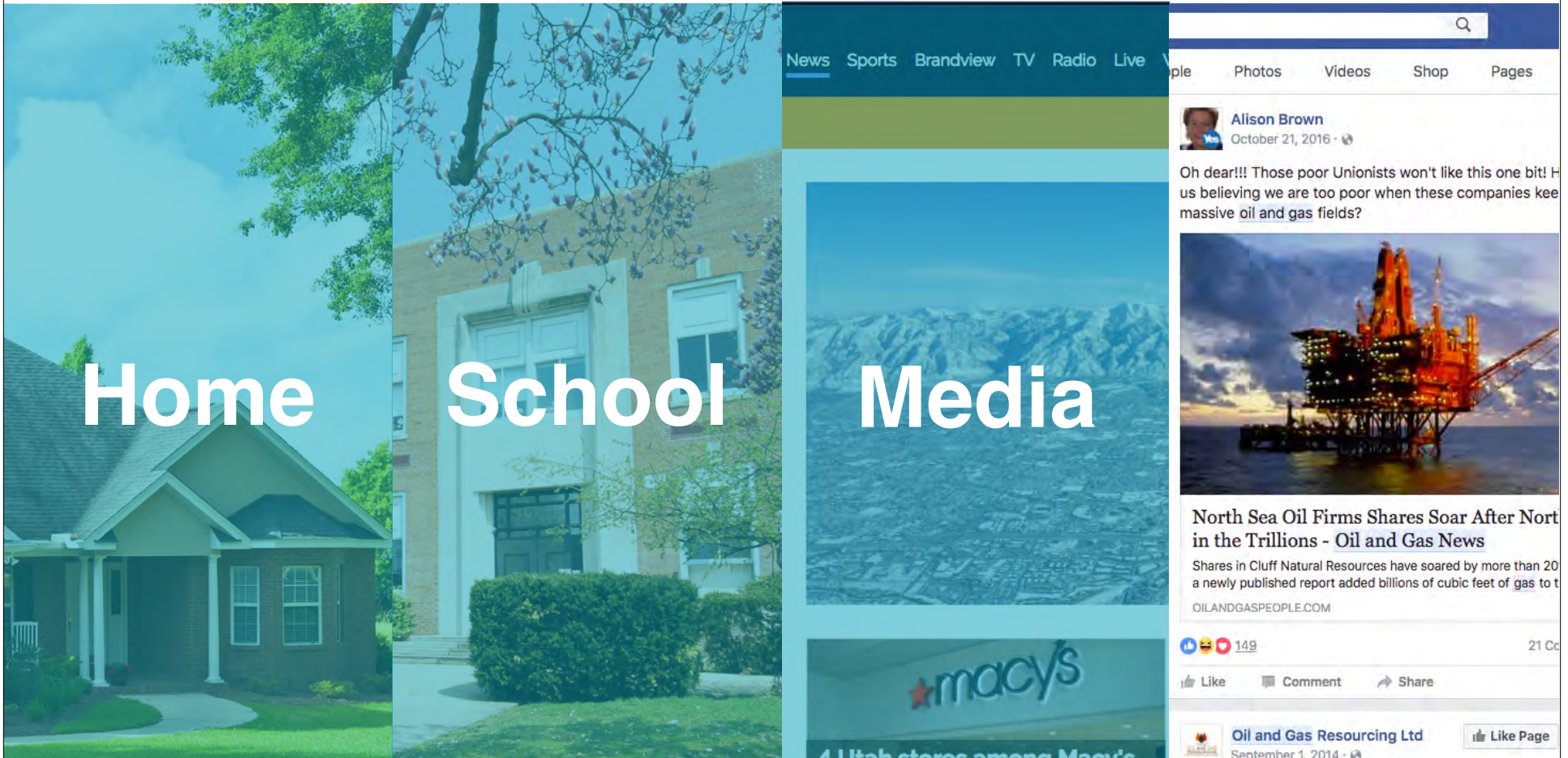
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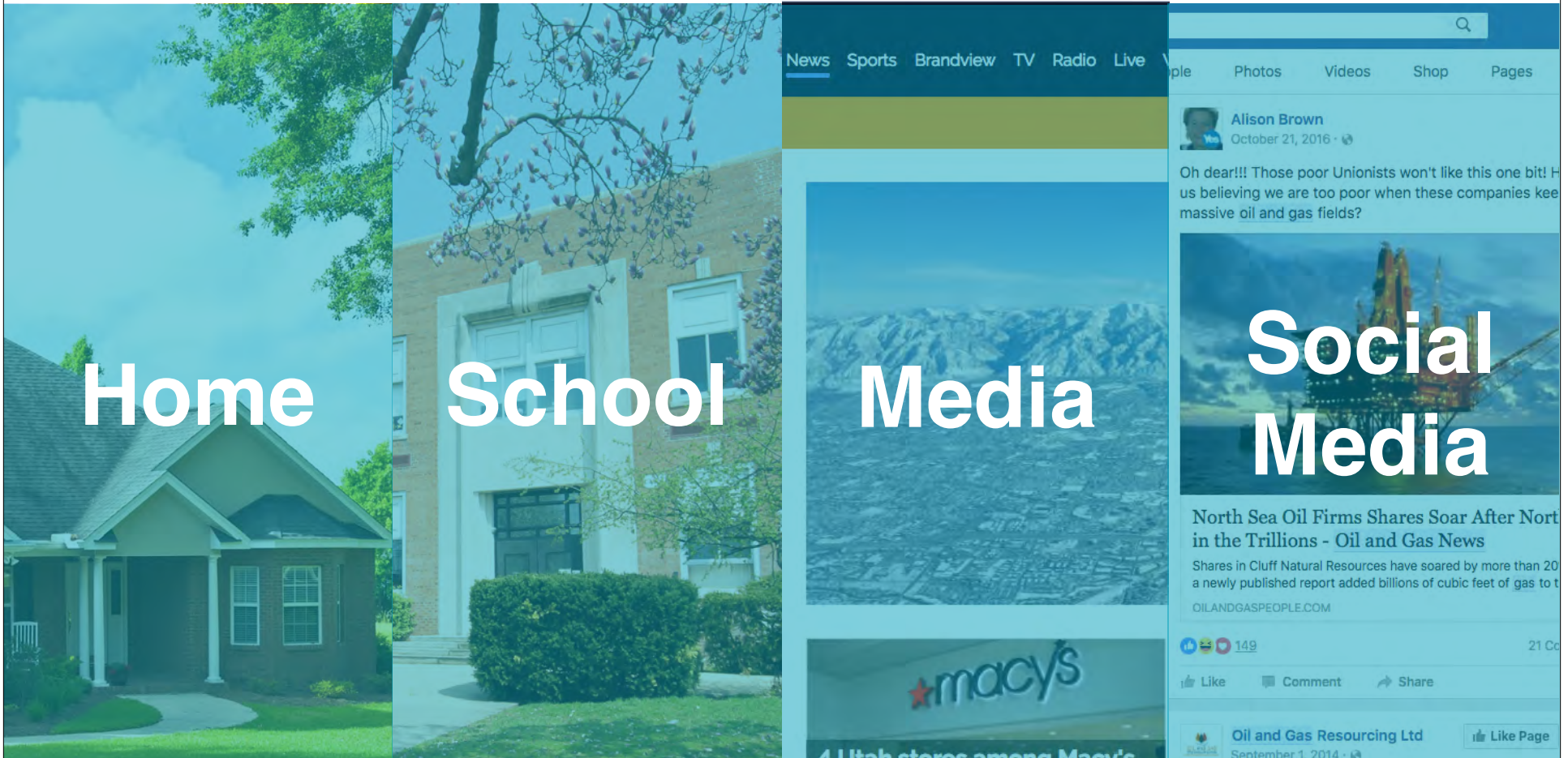
149  
Like Comment Share  
Oil and Gas Resourcing Ltd  
September 1, 2014 ·



# Understanding of Energy Safety



# Understanding of Energy Safety







**Why focus on K-12**

**Curriculum**

**Receptive**

**Unbiased  
Perspective**





**Think!**  
about  
energy.



**Talk!**  
about  
energy.



**Take Action!**  
about  
energy.

# How we reach our target audience



# Curriculum is Key







# Reaching our Audience



**Classroom  
Programs**

**Material  
Distribution**

**Student  
Competitions**

**Web-based  
Resources**



# In-class Presentations

**Bottle**



**Experiment  
Time**



**Balloon**

# Properties of Natural Gas



# Properties of Natural Gas



Its state of  
matter  
is a gas.

# Properties of Natural Gas



# Properties of Natural Gas





# Properties of Natural Gas

It is colorless.

It is odorless.

A chemical called **mercaptan** is added to natural gas for safety.



# Properties of Natural Gas

It is colorless.

It is odorless.

# Properties of Natural Gas



# Properties of Natural Gas



# Properties of Natural Gas



It is lighter  
than air.

# Properties of Natural Gas



# Properties of Natural Gas



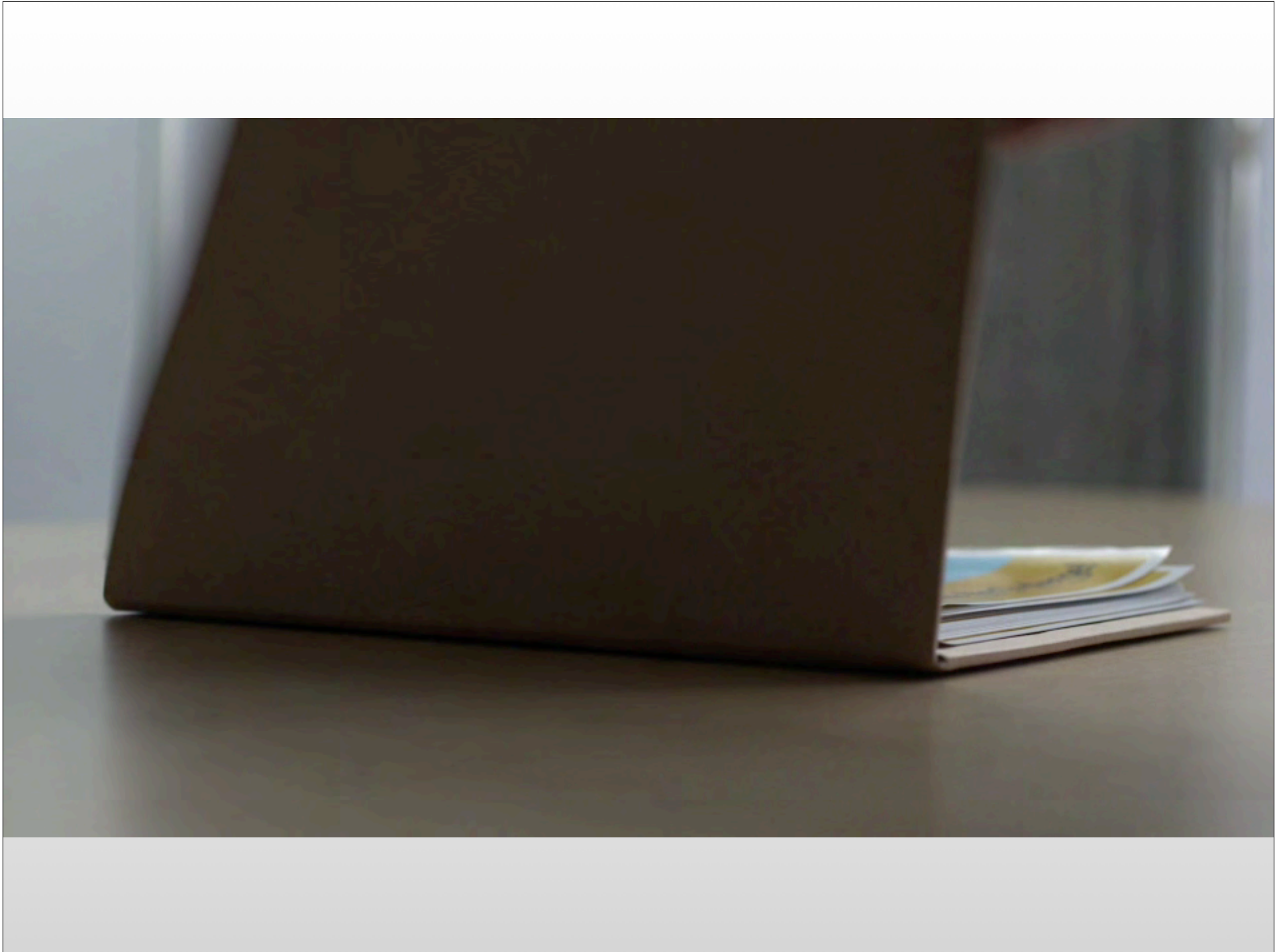
# Properties of Natural Gas



It is  
combustible.



# Materials Distribution



K-3



4-6



7-8



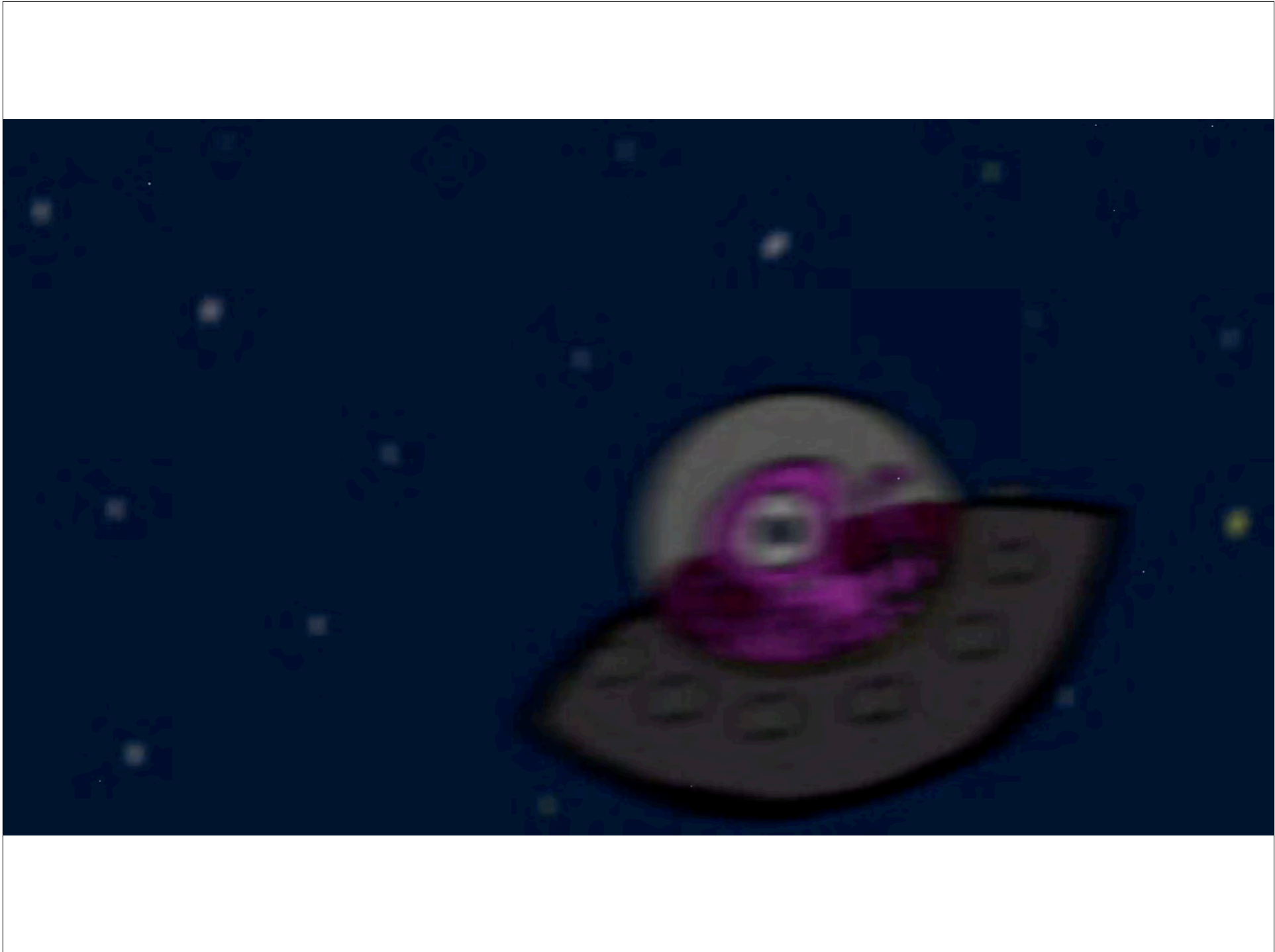
9-12



# Electronic Learning Materials



# Animated Videos



# Materials Development





### About Natural Gas

Natural gas is a very clean, safe energy source when properly used. However, it has certain characteristics that make it potentially dangerous. It is important to know how to safely use natural gas and care for natural gas appliances. It is inspected and maintained.

### Properties of Natural Gas

1. When natural gas comes out of the ground, it is colorless and odorless, meaning you cannot see it nor smell it.
2. It is flammable and combustible, which means it can catch on fire and burn.
3. It is less dense than air so it will find a way to move upward.

### Play It Safe: Inside and Outside

#### Inside

1. Do **not** store flammable or combustible items such as solvents, newspapers, clothes, paint or animal cages around your stove, furnace or water heater as they can catch fire.
2. Do **not** store any items that will block the airflow to natural gas appliances.
3. Do **not** hang or drape items on the pipes to a natural gas appliance.

#### Outside

1. Do **not** hit, climb or play near natural gas equipment such as meters or pipelines.
2. Do **not** dig or cut near meter cabinets, meter flags that mark the location of underground pipelines and other utilities.



Near a gas leak, you might SEE blowing dirt, bubbling water or small flames or HEAR a hissing sound you can't hear.

If you suspect a natural gas leak, leave the area, tell an adult and call 911 from a safe distance.

### Take the Challenge – Improve Household Safety!

With an adult, complete the following safety survey to see if you and your family can improve your household safety. Never inspect natural gas appliances or equipment without an adult. Sit down with your family and friends.

Write yes or no in the space provided under each room heading.

	Living/ Family room	Hallways	Kitchen	Bedroom 1	Bedroom 2
Are the natural gas appliances or equipment in this room inspected and maintained?					
Do the natural gas appliances or equipment in this room have flammable or combustible items stored on or nearby?					
Are there carbon monoxide detectors near these rooms?					
Outside, near the natural gas meter, is the area around it clear and free of debris?					

### Safety Quiz

Activate the following statements as true or false.

1. Never play around natural gas equipment such as outside meters or pipelines.  
A. True B. False
2. If there is a natural gas leak in the basement of a house, you could smell it in a room above.  
A. True B. False
3. Before you dig in your yard, you should call 811 to locate underground utilities.  
A. True B. False
4. If you suspect a natural gas leak, you should try and fix it yourself.  
A. True B. False
5. If you suspect a natural gas leak, do not turn on or use anything that can cause a spark.  
A. True B. False

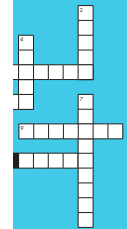


### AND NATURAL GAS SAFETY

Complete the crossword puzzle to learn about natural gas safety.

It is added to natural gas to give it a \_\_\_\_\_ color.  
\_\_\_\_\_ show where underground pipelines are.  
\_\_\_\_\_ measures the amount of natural gas.

Do the natural gas appliances or equipment in this room have flammable or combustible items stored on or nearby?  
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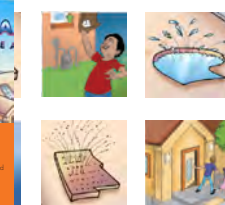
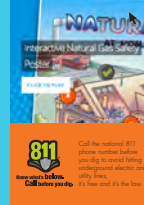


Find the answer to the crossword puzzle at [energysafekids.org](http://energysafekids.org).

### Be an Energy Safe Kid! Three easy ways:

1. Learn about natural gas safety!
2. With your family, complete the Household Safety Survey found in this booklet.
3. A responsive, interactive Natural Gas Safety Meter can be found at [energysafekids.org/household](http://energysafekids.org/household). Find the safety features of our online house.

If there may be a natural gas leak, a hissing sound around natural gas, or an odor, it is important to know where there may be a natural gas leak.



Call the natural 811 phone number before you dig to avoid hitting underground utilities and other services. Call 811 before you dig.

Word List: blue, clean, dig, gas meter, home, below, ground, materials, microphone, natural gas, 811, know what to do, call when you dig.



energysafekids.org © 2017 National Energy Foundation

# Competitions

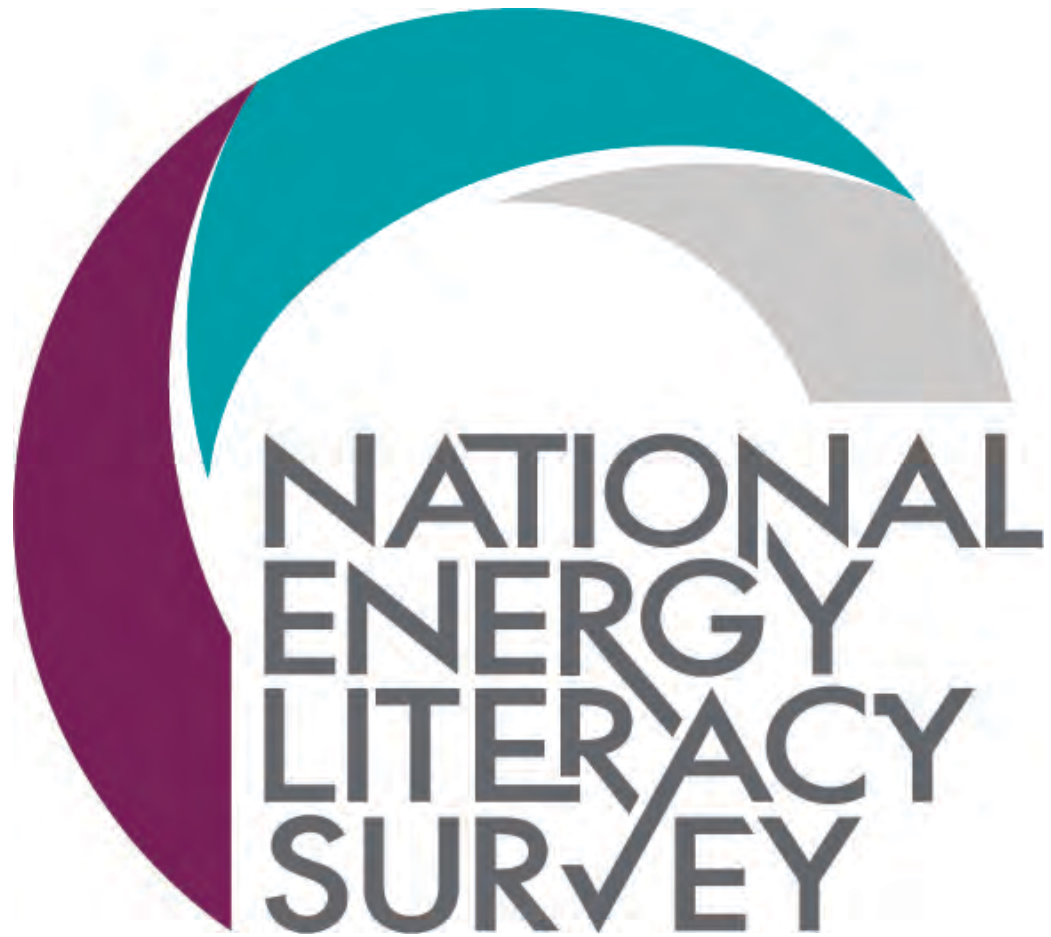
# Poster Slogan Video





A photograph of a student from behind, wearing a grey and white hoodie and a black backpack. They are carrying a large white box with a blue top and a logo that includes the text 'KIMBERLY' and 'GREEN'. The student is walking outdoors with green bushes in the background. A semi-transparent teal banner is overlaid across the middle of the image, containing the title text.

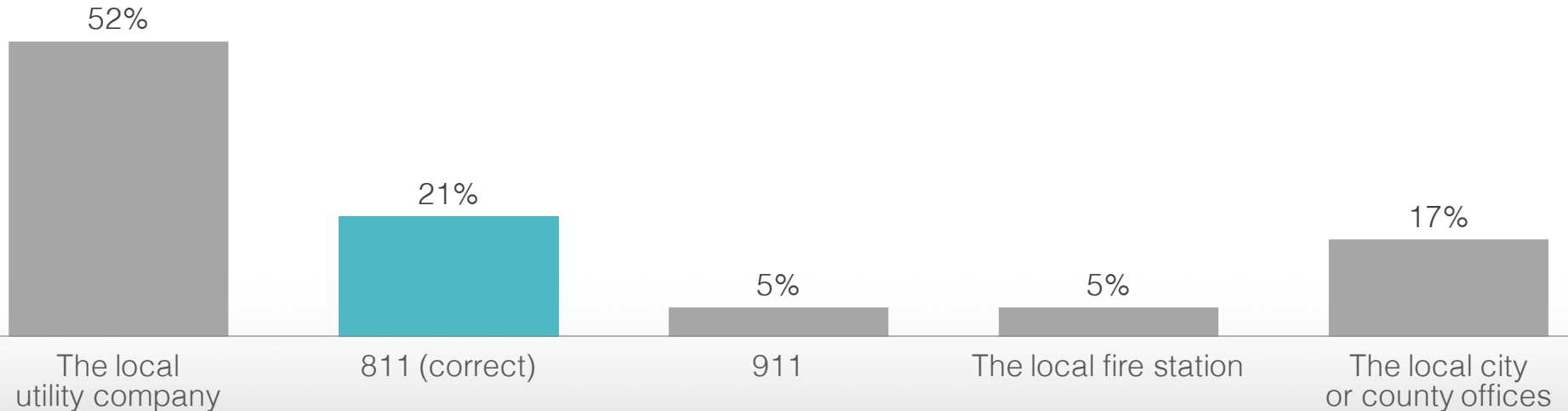
# School-to-Home Approach





## Question #30

Prior to a digging project, underground utility lines should be identified. What number should you call to ensure this is done correctly?



**“Many students talked about how they went home and informed their parents, and their parents didn't even know that information.”  
(Ohio Teacher)**



**Students are worth  
the investment**



**Kelly Flowers**

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**Ian Wright**

Director of Business Development  
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