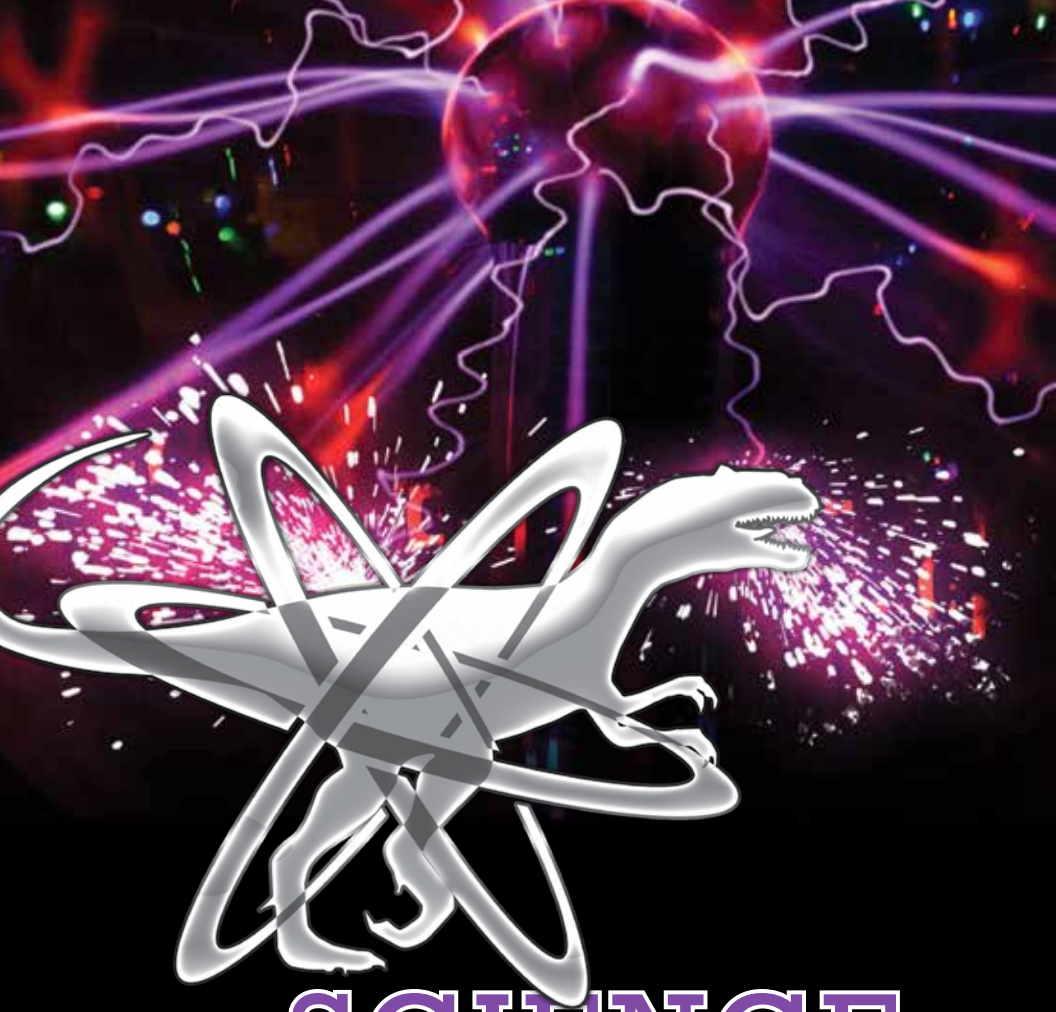


# SCIENCE, SCIENCE *Everywhere*

*Finalists' Contributions from the 2014 Randolph College Science Festival Poetry & Photo Competition*

# Poetry OF SCIENCE contents

# Poetry OF SCIENCE contents



## HIGH SCHOOL

# Images OF SCIENCE contents

## SCIENCE

**S**eismology is the study of earthquakes that rumble,
**C**raniology-the study of skulls that don't crumble.
**I**chthyology is the study of creatures that swim,
**E**cology is the study of the environment that surrounds them,
**N**eurology is the study of our system of nerves,
**C**ardiology id the study of the heart and its curves,
**E**ntomology is the study of insects galore.
**T**he study of science is an open door!

***FIRST PLACE Elementary School***
*Student: Mary Macon Pettyjohn*
*Grade: 4*
*School: James River Day School*
*Teacher: Betsy Rhodes*

## MATTER MATTERS

If you look, matter's here and matter's there;
It's our shoes and it's our hair,
Nitrogen, raindrops, or your cute teddy bear,
Laundry detergent, fried chicken, or hot air.
Solids, liquids, and gases-all these,
Are examples of matter, you see.
Solids can be as hard as a rock,
Or as soft as a spongy little sponge block.
Liquids will take the shape of anything-
Put them in a container and that shape will cling!
A jar, a box, or bottles in a line
Can be filled with water, milk, or even slime!
Gases are everywhere, like air in a ball
We breathe gases all the time, and you don't notice at all!
So, as you can see, we use matter a lot,
It makes up all the thing we've got!
Well now, friend, I'll let you be,
But, remember, matter does matter to you and me!

***SECOND PLACE Elementary School***
*Student: Julie Fitzgerald*
*Grade: 4*
*School: Tomahawk Elementary School*
*Personal Submission*

## MATH

How we use math!
We can count steps on the path and
We can measure water in the bath.
Word problems can drive you daft!
But subtraction and fractions are not even half
Of all the fun we have in math.
You can use graphs to do crafts!

***THIRD PLACE (TIE) Elementary School***
*Student: Sara Ferrell*
*Grade: 2*
*School: Boonsboro Elementary School*
*Teacher: C. McKinney*

## OH NO THERE GOES FRACTIONS!

I am a fraction; you might sometimes use subtraction, so I'm ready to breakdown in action!

If your numerator is bigger than your denominator, you are a proper hater,

But if your denominator is lower than your numerator, you are improper. I will see you later,

Now it's time to keep the same numbers, but flip them like a coin, and all you'll get is the change!

I'm going to chop you down like a tree, and once I multiply or divide to see what my answer will be, it will show what is left for me!

We are numbers across from each other, but we are sometimes not related to one another. So we must multiply before we apply, if it doesn't work give it another try. Think of it as a leg or thigh!

I'm only a number; I count as a whole. I will only agree or some will try to make me fit in a hole and squeeze me in a lie or set me up for free.

Try that on another guy. I'm mixed, I got to be multiplied and added to the fee. I'm too shy but this number is greater and much high, can you afford to buy?

But it's only one number I can be! If you choose me it will be enough for a shopping spree!

Finally we've come to the conclusion. Fractions cause **so** much confusion.

But staying in this class learning and earning my point I won't be losing!

***THIRD PLACE (TIE) Elementary School***
*Student: Janiya Harris*
*Grade: 5*
*School: Dearington Elementary School*
*Teachers: Marisa Freeman, Sarah Poole*

## AURORA BOREALIS

At the North Pole lights are floating in all different colors.
Purple, red, green
Aurora Borealis moves like a dance.

*Student: Dalany Brown*
*Grade: Kindergarten*
*School: TC Miller School for Innovation*
*Teacher: Cathy Webb*

## PLANETS

In the solar system
Here we see the first four
Mercury, Venus, Earth, and Mars
Next we see the final four
Jupiter, Saturn, Uranus, Neptune
But one is left out
One that no one cares about,
His name is Pluto
He is too small
He doesn't have his own orbit
But Pluto wants to be a planet too.

*Student: Joe Brown*
*Grade: 5*
*School: R. S. Payne Elementary*
*Teacher: Patsy Sellers*

## GAS GIANTS

Gas Giants
So big and bright
Shine through the night
Like stars never ending
Many there
All full of air
Are unique in every way
Jupiter
The king of all
Stands bright and tall
Shining over everyone
The sun I will say
In more than one way
Will beat the king on any day

*Student: Helen Cohen*
*Grade: 4*
*School: R.S. Payne Elementary School*
*Teacher: Tracy Proffitt*

## RAINBOWS

Rainbows are colorful,
Rainbows are red,
Rainbows are an illusion to my head,
There is no pot of gold,
That is just told,
You can't go through,
Not even the blue,
What a beautiful sight;
A combination of light,
There's a bunch of colors,
Filled with wonders,
They only come out at day,
So far, far away,
Rainbows, Rainbows
Go down into the meadows.

*Student: Harry Cook*
*Grade: 5*
*School: James River Day School*
*Teacher: Heather Guard*

## THE FLOWER

I am all alone
I have no company at all
Now I am a blossom
I grow and grow and grow
Now I am taller
Guess what?
I am a flower.

*Student: Jakayla Cunningham*
*Grade: 3*
*School: R.S. Payne Elementary School*
*Teacher: Michelle Stevenson*

## THE OCEAN FLOOR

The continental shelf is where you stand
With your feet in water and covered with sand.
Then comes the continental slope
You wouldn't go that far, I hope.

The abyssal plain is very deep
But it's not so very steep.
Then comes the oceanic trench
Which you can't fix with any wrench.

Last but not least comes the mid-ocean ridge
It's very big and can't fit in the fridge
Now there are the names of the ocean's four parts
When I think of science, I see little hearts!

*Student: Peyton Floyd*
*Grade: 5*
*School: Tye River Elementary school*
*Teacher: Lisa Schoener*

## SCIENCE

From every little mineral in seashells
To everything in animal and plant cells
From how things work
To why certain animals lurk
About clouds in the sky
And how birds fly

Scientists give out this knowledge
So we can get into a good college
Then, be something like
An astronaut, a chemist, too!
Archaeologist, biologist, so many to choose!

*Student: Ava Mann*
*Grade: 5*
*School: Tye River Elementary School*
*Teacher: Nora Hagar*

## EARTH IS LIKE A FOREST

The Earth is like a forest,
Confusing and beautiful.
It has mysterious creatures,
And unknown spaces.
Trees, grass, flowers, animals, and life.

The Earth is like a forest,
It has sounds like music.
Patter, patter. Rush, rush.
It has magical land
And rushing winds.
Water, dirt, wind, rain, and life.

*Student: Cailin McCool*
*Grade: 5*
*School: Tye River Elementary School*
*Teacher: Nora Hagar*

## WATER VOLCANO

Beneath the surface of the earth's crust.
There is a geyser about to bust.
With boiling hot water below the ground.
Thousands of people come from all around.
To see great Old Faithful blow.
From the boiling water below.

We sit and wait for hours,
to see this amazing sight.
And sometimes just to see it,
we stay up all night.

It comes from the earth
where it is way too hot.
Some people want to go there,
But I think not.

The water below is just so hot.
It builds up pressure then blows its top.
And "Woosh" just like that
There is water in the sky.
Bathing the birds that fly so high.

*Student: Kaitlyn Mininger*
*Grade: 5*
*School: Tye River Elementary School*
*Teacher: Nora Hagar*

## EXPERIMENTS GONE WRONG

Science, Science, everywhere
Sometimes it will get in my hair
Maybe, sometimes it will go boom
So I'm the one who has to get the broom
Boom! Boom! Bang! Bang!
Ratatata, Brang! Brang!
Oh great, Oh snap
Now everything is as sticky as sap
Science, Science, it can't be beat
But only if I liked it, it would be neat.

*Student: Lauren Naples*
*Grade: 5*
*School: R. S. Payne Elementary School*
*Teacher: Patsy Sellers*

## FLOWERS

I love flowers!
Flowers are attractive.
Summer is great to grow flowers!
Daisy.

*Student: Meredith Plunkett*
*Grade: 5*
*School: James River Day School*
*Teacher: Sarah Glass*

## THE ALCHEMIST

An alchemist is
A scientist
A scientist is
A philosopher
A philosopher is
A teacher
A teacher is
Someone who taught you
Why not become a
Alchemist

*Student: Nicholas Wilson*
*Grade: 5*
*School: R. S. Payne Elementary School*
*Teacher: Patsy Sellers*

## SCIENCE, SCIENCE, EVERYWHERE!

Earthen shades of forest green.
Shine 'round our wondrous Earth.
With soothing blues of oceans' gleam.
To wrap around its girth.
The mountains steep.
And glaciers' cruel.
Are surely good and fair.
But look beneath.
Your very feet.
And there'll be science there!
A bird can fly easily.
And yet it would be fair.
To scorn the very prospect.
Of humans in the air.
And yet we soar above.
On actual wings in flight.
And sing to the nearest passing dove.
Our science made this right!

***FIRST PLACE Middle School***
*Student: Grace Brammer*
*Grade: 8*
*School: James River Day School*
*Teacher: Todd Anderson*

## THE ELEMENTS

What is an element?
What isn't an element?
Table for 118, please
Take a seat,
Why don't you?

The Alkalis, at the far end
Full of luster, they sit tall and proud
Malleable, ductile
One in the outer shell
An eye for halogens

Alkaline Earth,
Metallically speaking
Just two electrons to spare
Directly adjacent to the previously mentioned
Six of this dynamic group

At the other end,
The Noble Gases
Quite the interesting crew
Eight valence electrons, entirely stable
Fairly isolated from the rest of the party

The Halogens, finally!
The bounciest bunch
A bit unstable if you ask me
Seven electrons of the valence sort
Combine with the Alkalis gratefully

The end I say
The groups are all here
Time for a grand feast!
Not that sort of table? Is that what you say?
You have mentioned that periodically

***SECOND PLACE Middle School***
*Student: Meg Gladieux*
*Grade: 7*
*School: Linkhorne Middle School*
*Teacher: GiGi Sweeney*

## HOT DESERT WAYS

Desert animals can survive with very little water,
They stay in the shade as the day gets hotter.
The temperature changes from dawn to night.
The Mojave's average temperature is 120 degrees Fahrenheit,
Desert plants are adapted to the warmth of the sun
Because of little water, plants have small leaves to none.
In the night predators stalk their prey,
They do it until it's a start of a new day.
When it's morning, the predators go back in the shade,
They stay there until the light starts to fade.

***THIRD PLACE Middle School***
*Student: Lidia Galindo-Torres*
*Grade: 6*
*School: Staunton River Middle School*
*Teacher: Francie Morris*

## SCIENTIFIC METHOD

The scientific method was created some time ago
It tells us how to investigate thing we don't know.
We discover new things every day.
Because people before us thought to do things a different way.

*Student: Hannah Adkins*
*Grade: 6*
*School: Staunton Middle School*
*Teacher: Francie Morris*

## DEAR MATH,

I'm sorry I can find your x
You're making my mind flex
I don't know y
You're making me cry
You need to start using text

*Student: Blakely Carter*
*Grade: 7*
*School: Forest Middle School*
*Teacher: Kim Cherry*

## SCIENCE

Study the stars
Study the ocean
Study life
Cure diseases
Saves lives
Science will always go further
Science will cure cancer
Science will change the world and how we think of it
Science will always go further

*Student: Anna Craven*
*Grade: 7*
*School: Forest Middle School*
*Teacher: Julia Hubbard*

## THE SEA'S WATER

Covering miles of clear bright sea
I am the water and the water is me.

¾ of the Earth I cover too
With oceans the color of some sort of blue.

The deep zones of me are deathly cold
Yet there is life in every part that I hold.

The salinity can change, rise or fall
This affects the intertidal zones most of all.

Types of pollution can kill marine life
Coming from cars, metal, oil, and pipes.

So come visit me down near the reef.
Beaches can give a sense of relief.

*Student: Emma Eubank*
*Grade: 8*
*School: James River Day School*
*Teacher: Todd Anderson*

## OCEANS

Troughs, crests, waves are all parts of the ocean
Waves can move in a circular motion
Tsunamis are caused by earthquakes beneath the ocean floor
So the wave height tends to be more
The deeper the water, the temperature decreases
While the pressure increases
In the southern hemisphere, the Coriolis effect
Causes currents to curve to the left

*Student: Anna Gunter*
*Grade: 8*
*School: James River Day School*
*Teacher: Todd Anderson*

## THE EARTH

Evolution or creation
Around the sun spinning
Rock filled with riches
Totally self-sustaining
Home

*Student: Ayla Bailey Harris*
*Grade: 7*
*School: Linkhorne Middle School*
*Teacher: GiGi Sweeney*

## RAINFOREST

The trickle of the water
the prickle on the leaves;
As we look up
we see the canopy.

The croaking of the frogs
jumping off their logs;
Doing their jobs
While it's raining cats and dogs.

The trickle of the water
the prickle of the leaves
It rains and rains and rains
In the rainforest.

*Student: Emma Mitchell*
*Grade: 6*
*School: Linkhorne Middle School*
*Teacher: Katie Cyphert*

## THE PATH OF A RAINDROP

Oh dear dear me I cannot see
What is happening here
The sky is so far away
When once it was so near
I fall with all my friends
Glad I'm not alone
I brace myself as I plummet
Into this blue unknown
Wait a minute
This isn't so bad
This is actually quite fun
Perhaps the best I've ever had
Now up I go to start again
This same old cycle
It never ends

*Student: Marina Pantner*
*Grade: 7*
*School: Linkhorne Middle School*
*Teacher: GiGi Sweeney*

## ATOMS

Atoms, they are everywhere
They make up every frog and bear
Atoms make up skin and hair
They combine to make the air
Atoms make up you and me
They make up every bird and tree
Atoms make up everything
But what makes atoms?
electrons do
So do protons and neutrons too
Atoms, they are everywhere
But they're so small,
We don't even seem to know they're there

*Student: Hudson Rice*
*Grade: 7*
*School: Forest Middle School*
*Teacher: Kim Cherry*

## CLOUD CINQUAIN

Roll Cloud
Long, Baby Bottom Soft
Fierce Scary Fat
Soft Confused Glad Funny
Rolly

*Student: Madison Walker*
*Grade: 6*
*School: Brookville Middle School*
*Teacher: Cheryl Wilson*

## THE TIME BEFORE TIME

For millions of years dinosaurs thrived,
Until a big meteor struck the Earth,
And all of them died.

Many tiny rodent-like animals changed and survived,
Evolving into different species of every shape and size.

From those tiny creatures evolved you and I.
The age of the mammals had arrived.

*Student: Chandler Warren*
*Grade: 6*
*School: Staunton River Middle School*
*Teacher: Francie Morris*

## PHLEBOTOMY

The gentle slush of blood through venules
Like waterslides
Oxygen carried by hemoglobin
Like float tubes
The diamond-beveled needle penetrates the skin
Like a dive pool
The diabetic serum pulses slowly enters the system
Like lines to the water park
Life saved, insulin restored
Like ice cream on a hot day

***FIRST PLACE High School***
*Student: Landon Courville*
*Grade: 11*
*School:Virginia Episcopal School*
*Teacher: Jason Knebel*

## EVOLUTIONARY INVOCATION

Charles Darwin, who art under ground
Deductive be thy nature.
Thy Idea says, thy body evolved
From ape-like, years ago.
Gave us today our human traits,
Which led to our many mishaps,
But none more feeble than the other.
And lead us not into extinction
For they gave us natural selection,
And the change, and the progression,
Until the end of time,
OOO-OOO-Ah-Ah.

***SECOND PLACE High School***
*Student: Jacob Early*
*Grade: 11*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

## LIGHT YEARS

My friend moved to Mars,
I decided to call,
I cleared my voice, "How are you?"
She answered: "Good.", after a forty minute pause.

***THIRD PLACE High School***
*Student: Sophie Li*
*Grade: 11*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

## SCIENCE AND FICTION

Whenever I read a work
Of fiction
I think about the science behind it.
How could we change ours
To make it like theirs?
Tweak a protein
Or the DNA
That made it.
Or even the position of our sun.
Or those around ours.
I think about how their stars are completely different. And how that changes every
Outcome every
Person. Whenever I read a work
Of fiction
I think about how to create my own
World.

*Student: Stephanie Bartholomew*
*Grade: 12*
*School: Amherst County High School*
*Teacher: Lucas Gillenwater*

## M/V

Mass divided by volume,
The formula that loves.
With more than one
Way to measure
Density can be discovered.

How hard will it be to maneuver,
Around the lavishly dressed crowd
Thickly packed and brimming
In the fifty foot ballroom?

Closeness, consistency and compactness
Can all be used practically as well
Such as formulas, figures or maybe Fibonacci
The concept can be swell.

Why do you have to repeat
Your phrases over and over
To finally get it through
The thick barrier

Whether it's methodically or metaphorically
Density is all around us.
It can be used rhetorically
Or maybe just discussed.

*Student: Townsend Brogan*
*Grade: 11*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

## CONSTELLATIONS

Stars make constellations
The sun shall kiss away
Paths and trails within the night
Though hidden during the day

Freckles tag our skin
The sun shall kiss awake
Connect the pigmentations
As they begin to constellate

A natural map
On shell,
On sky, Or in a well if you are wise.
Infinite possibilities for us to read the signs.

Follow them with your eyes
With your fingers you can trace
A ball of plasma or MC1R
hey say our choices seal our fate.

*Student: Frances Capel*
*Grade: 11*
*School:Virginia Episcopal School*
*Teacher: Jason Knebel*

## OZYMANDIAS

The chemistry was pure
The meth was blue
The risk made Heisenberg unsure
He knew what he had to do

Life on the line all the time
Cartel forced the pressure
Heisenberg was at his prime
400 pounds of Meth to measure

Drugs, money, and purity came easy
It was all he ever wanted
The life and lies were so sleazy
But then it came back and haunted

Heisenberg was a Chemistry fanatic
C10H15N
He never knew it would so problematic
Repeated over and over again

Breaking bad was the easy part
Thinking it was all for good deed
Losing his family broke his heart
Getting caught up in his greed

*Student: Miranda Daly*
*Grade: 11*
*School:Virginia Episcopal School*
*Teacher: Jason Knebel*

## WAVES

Waves vibrate throughout the air,
While the noise makes a scare,
Frequency counts all the waves,
That vibrate throughout a phase,
Period counts every second,
That the wave decides to beckon,
Amplitude measures the height,
Of the wave that screams delight,
Crest to trough is the distance,
Of the waves so pay attention,
Waves are a part of life,
Longitudinal,
Transverse,
As they vibrate throughout the strife,
They make noise,
They light,
They are simply a part of life.

*Student: Cheyene Fulcher*
*Grade: 12*
*School: Amherst County High School*
*Teacher: Jon Collins*

## A LOVE LETTER TO PLUTO

My dear, I'm so sorry they've left you
But you are so far away
Left to exist on your own
The sun must look like a star from there
I know you may be cold and small
And Earth is more lively
And Venus is more beautiful
And Jupiter is stronger
And Saturn's got the bling
Neptune rains diamonds
But you still are my favorite
And you're still a planet to me
Maybe the Sun doesn't want you
But I won't let you go

*Student: Anne Elise Hastings*
*Grade: 11*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

## MASS OVER VOLUME

Density may float,
And density may sink.
A bottle or a boat,
A coin or a car.

Water has a density of one.
And a tanker ship sits on top.
Divide mass by volume,
And one copper Lincoln falls below

However there is one exception,
One of water's properties,
By the name of surface tension,
Some can walk on top.

*Student: James Jenkins*
*Grade: 11*
*School:Virginia Episcopal School*
*Teacher: Jason Knebel*

## SCIENCE IS LIFE

Science is life

From the tiniest cell to the biggest bang
From weather patterns to the genus name.

Every organism has a role.
With science, the story begins to unfold.

The solar system has laws of orbit.
Planets, asteroids, and stars that stay lit.

Cycles of nitrogen, carbon, and water.
Lands of lush rainforests and deserts that are hotter.

Flowers pollinated by bees.
Photosynthesis gives oxygen created by trees.

Research provides ways to immunize.
Science is capable of saving lives.

Observations, inferences, research, nature.
Our technology, our health, our world, our future.

Science is life.

*Student: Katie Morse*
*Grade: 9*
*School: E.C. Glass High school*
*Teacher: Mrs. Rivers*

## LIFE IN THE DAY OF BACTERIA

Yes, she didn't wash her hands
She picked me from the toilet
Shigolla
I travel with her as she goes to lunch
Oh yum, a turkey sandwich and some punch
My friend Hepatitis A comes along
He chills on her left thumb
We go with her to sports
When Pseudomonas hops on
She heads back to her house
As we take a quick little nap
We hear a sound and jerk alert
Ethanol is here
We all know what that means
We get our bags packed
The friction makes us weak
And pseudomonas dies away
But I'm that one percent
With her I go to sleep

*Student: Hannah Ogbomo*
*Grade: 11*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

## GIVE ME 5

Give me five more minutes, five
And I'll tell you how mass differs from weight,
how impulse acts upon momentum and how
impact takes head to kinetic energy

Give me a minute and I'll turn molecules into atoms
then split atoms into neutrons,
give me the following minute to tell
the difference between Newton's 1st and 2nd law

If that's not enough I'll spend the
next minute to explaining the rotational energy
amongst the earth's core

I'll dedicate the next minute to
Einstein's theory of Relativity
and how measurements of various
qualities are relative to their velocities

And the last minute to speak on a lump
of coal and how the ratio of force to the area over which
it is distributed on to think up
a science poem in five minutes
takes pressure; turning it into a diamond

*Student: Anthony Swan*
*Grade: 12*
*School: Virginia Episcopal School*
*Teacher: Jason Knebel*

***FIRST PLACE Elementary School***
*Title: Up close shot of the bark on a tree*
*Student: Marina Jeirles*
*Grade: 4*
*School: James River Day School*
*Teacher: Mrs. Rhodes*

***SECOND PLACE Elementary School***
*Title: Upside Down Dolphin at the Atlanta Aquarium*
*Student: Virginia Blair Trost*
*Grade: 4*
*School: James River Day School*
*Teacher: Mrs. Rhodes*

***THIRD PLACE Elementary School***
*Title:The Pineapple Plant taken in the JRDS greenhouse*
*Student: Erin Johnson*
*Grade: 4*
*School: James River Day School*
*Teacher: Mrs. Rhodes*

***FIRST PLACE Middle School***
*Title: Nature's Super Power*
*Student: Chaz Sweeney*
*Grade: 7*
*School: Linkhorne Middle School*
*Teachers: Mr. Sharp, Mr. Scarborough*

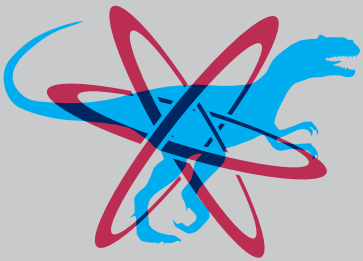
***SECOND PLACE Middle School***
*Title: Bright Lights of the Night*
*Student: Raigan Overstreet*
*Grade: 7*
*School: Linkhorne Middle School*
*Teachers: Mrs. Sweeney, Mr. Scarborough*

***THIRD PLACE Middle School***
*Title: Mysterious Lights*
*Student: Alex Crickenberger*
*Grade: 7*
*School: Linkhorne Middle School*
*Teachers: Mrs. Sweeney, Mr. Scarborough*

***FIRST PLACE High School***
*Title: Icicles in the Morning*
*Student: Elizabeth Francis*
*Grade: 12*
*School: The Central Virginia Governor School*

***SECOND PLACE High School***
*Title: Feeding Time*
*Student: Mikayla Marraccini*
*Grade: 11*
*School: E.C. Glass*

***THIRD PLACE High School***
*Title: Science is in our world*
*Student: Alexis Maxwell-Jones*
*Grade: 11*
*School: New Vistas School*
*Teacher: Ms. Arrington*



randolphscience.org

for more information contact Peter Sheldon
at psheldon@randolphcollege.edu