Do your part to 

SPARE THE AIR!

in Greenville County

an anti-idling campaign

b2

breathe better

Turn off your engine

KIDS BREATHE HERE

2008

NO IDLING

Children Breathing

Fountain Inn Elementary
"Little Tree, Grow with Me" by Jaquasha
Color the Clean Air Kid and the Ozone Forecast Chart

**WHAT DOES IT MEAN?**

- **Green** = Good
- **Yellow** = OK for Most People
- **Orange** = Unhealthy for Ozone - Sensitive People
- **Red** = Unhealthy for Most People
- **Purple** = Unhealthy for Everyone

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Make your world a colorful place: play it safe by knowing the air quality charts and what each color means.

“Colorful Casa” by Grant
Match the concept with the definition.

a) Particle matter ________ We can do this to our cars to reduce emissions, improve car performance, and improve air quality.
b) Ozone ________ An activity banned in South Carolina, which burns certain materials.
c) Top off ________ When the levels of this pollutant are high, it is bad for our lungs.
d) Breathe ________ They come from factories and vehicles' exhaust pipes.
e) Weather forecast ________ Very tiny substances that can get deep into our lungs, causing damage if we breathe them.
f) Pollution ________ A condition of the respiratory system that makes breathing difficult.
g) Car maintenance ________ We need to do this to improve our air quality.
h) Open burning ________ The Air Now website where we can obtain the Air Quality Index/Forecast.
i) Inflate ________ A prediction of the weather for the next few days.
j) Carpool ________ We can change these to help improve air quality in Greenville County.
k) Idling ________ Contamination of air, water, and soil.
l) Asthma ________ We can ride these to school, work, or other places.
m) Clean air ________ We need to do this regularly to our car tires to increase vehicle performance and reduce emissions.
n) Emissions ________ We all need this to live a healthy life.
o) http://airnow.gov/ ________ We do this when we ride together with other people to school, work, or other places.
p) Take action to "Spare the Air" ________ We need to do this through our noses to live.
q) Bicycles ________ We let our cars do this when the engine is running but the vehicle is not moving, and it is bad for air quality.
r) Habits ________ We usually do this after the gas pump stops automatically, and it is not good for the car and the environment.

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February
Plant more, Mow less!

“Merry Meadows” by Alyssa
Find the words below.

ETFSLOOHSOTKLAWYGBP
LXSIAUCHANGEHABITSA
DHPELCYCBXEDNIRASR
IMAPTAKEACTIONXEKOBT
TNRPCARPOOLWGBHPEPPYL
OREXEHTAERBASMOTJUC
NUITSGNULYAQRERNILREBL
OBBHWAACKUFNISOLLKBPTTE
DTEISCARCAREUAIOMSDBHM
VOAEIATLFNICUTIIGCAGA
WNIVESTHERIQZMZAOUMIT
RORJAHCXORKXGLXVQLT
ADAMHTSANIFORECASTWE
UREWOMNWAASNOSISSIME
RGROUNDELVOZONEBHW

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<th>Air quality</th>
<th>Change habits</th>
<th>Ground level ozone</th>
<th>Particle matter</th>
<th>Walk to school</th>
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<td>Inflatable</td>
<td>Spare the air</td>
<td>Weather</td>
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<td>Do not idle</td>
<td>Lawnmower</td>
<td>Take action</td>
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<td>Emissions</td>
<td>Light bulbs</td>
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<td>Carpool</td>
<td>Forecast</td>
<td>Lungs</td>
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**March**

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Car care helps the air!

"Repair Shop" by Chris F.
Across
1. You can do this to go to school or places by having several people riding with you in the same car.
3. Abbreviation for Nitrogen Oxides.
4. Abbreviation for Particle Matter 2.5.
6. Air pollutants combined with fog that are unhealthy for your lungs.
8. It is the federal law (CAA) that regulates air emissions from area, stationary, and mobile sources (three words).
10. A strong, oxidizing, colorless gas that is bad for your lungs.
11. You can do this at home with kitchen scraps such as peelings, egg shells, and coffee filters, and it is good for the plants.

Down
1. We all can do this to help clean the air in Greenville County (two words).
2. Your parents do this regularly with air to their car tires to increase fuel performance.
4. Contamination of air, water, and soil.
5. You can reuse, reduce, and...
7. We should not do this to the gas tank when refueling our vehicles (two words).
9. A respiratory allergic illness that makes it difficult to breathe.

April
Bad ozone and pollutants can be lowered with trees!

"Rolling Hills" by Israel
Color the Particle Matter Air Quality Forecast

<table>
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<th>AIR QUALITY INDEX FOR PARTICLE POLLUTION OR PARTICLE MATTER</th>
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<td>0 to 50</td>
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May

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Before I exercise outside, I should check the ozone level.
Critical Thinking: True or False

1) When vehicles are not properly maintained, they produce more emissions and pollute more of our air.  TRUE  FALSE
2) It is fine to burn dead animals, construction debris, paper, household chemicals, tires, and treated wood in South Carolina.  TRUE  FALSE
3) When the air quality forecast is red, the air is good and it is not bad for our lungs.  TRUE  FALSE
4) Emissions come from factories and vehicles’ exhaust pipes.  TRUE  FALSE
5) Particle matter 2.5 (PM 2.5) are very tiny substances that are not harmful and do not cause damage to our lungs.  TRUE  FALSE
6) Asthma is a condition of the respiratory system that makes breathing difficult and gets worse when ground level ozone and PM2.5 measures are high.  TRUE  FALSE
7) Taking action to “Spare the Air” will help to improve air quality.  TRUE  FALSE
8) We can go to http://airnow.gov to obtain the daily Air Quality Index/Forecast.  TRUE  FALSE
9) If we do not check the air quality forecast, it will help us to make informed decisions about playing outdoors during the summer.  TRUE  FALSE
10) Contamination of air, water, or soil is good for the environment and our health.  TRUE  FALSE
11) Riding our bicycles to school, work, or other places improves air quality because emissions from cars are reduced.  TRUE  FALSE
12) Properly inflated tires do not increase vehicle performance and reduce emissions.  TRUE  FALSE
13) Clean air helps us live a healthy life.  TRUE  FALSE
14) Carpooling helps to reduce vehicle emissions.  TRUE  FALSE
15) The emissions from idling vehicles do not pollute the air.  TRUE  FALSE
16) Bringing lunch to work improves air quality because emissions from driving cars are reduced.  TRUE  FALSE

June

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Save some gas and spare the air.
Car-pool to get there!

“In the Fast Lane” by Josue
I pledge to do the following:

☐ Carpool.
☐ Change light bulbs at home to energy efficient compact fluorescent lights (CFLs).
☐ Learn the air Quality Index.
☐ Check the Air Quality Forecast.
☐ Not top off the gas tank.
☐ Park in a central location and walk to my destinations.
☐ Not idle my vehicle.
☐ Spread the word about my efforts to spair the air in Greenville County.
Taking your lunch to work saves time, money, gas and the air!

"Take your lunch" by Dakota D.
Across
2. Place where you play in the summer.
4. Synonym of automobile (plural).
5. The fourth month of the year, when ozone season begins.
7. We fill it with gasoline in our car.
8. We can prevent them by not burning materials.
9. The system that automatically maintains the speed in your car (two words).
12. It is the measure that tells you the air quality in your area.
13. Atmospheric conditions.
15. They come from factories and vehicles' exhaust pipes.
16. You do it by moving your feet and going places.
18. It is a biofuel blended with conventional diesel to power engines.

Down
1. They are tiny little matter that can get into our lungs and cause damage (two words).
2. An activity banned in South Carolina, which burns certain materials (two words).
3. Woody, perennial plants that release oxygen and capture carbon dioxide.
6. Machine that is used to cut the lawn at your house.
8. To predict the weather.
10. They produce light using electricity (two words, plural).
11. Cars that run with conventional and electric engines.
14. State of matter that is not liquid or solid (plural).

August

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"No Idling" by Austin
Unscramble the words and color the Clean Air Kid.

msaahm
terbhoe
olrapco
neghaic thirsty
alenc rai
od otn runb
od otn lelei
sonsmei
sfecohta
dnrugo eilve neooz
gusnl
rtelpcai tatmre
linolptuo
rpeas th ria
klaw ot hcolso

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September
Reduce, Reuse, Recycle!

“Recycling” by Stephanie
Color the Clean Air Kid by following the color code below:

1 = Red
2 = Blue
3 = Yellow
4 = Brown
5 = Gray

The Clean Air Kid is the mascot for SCDHEC's Bureau of Air Quality.

It all adds up to cleaner air

October
Particle pollution can occur near roadways, from industry and even from forest fires!

Beware of the particles in the air!
Across
1. Place where products are manufactured (plural).
2. The fourth month of the year, when ozone season begins.
5. We can prevent them by not burning materials.
6. You automatically do it through your nose.
7. Short trips to do something.
11. They come from factories and vehicles' exhaust pipes.
12. Respiratory organs that provide oxygen to your blood.
14. Inflammation of the membranes lining the bronchial tubes.
17. The tenth month of the year, when ozone season ends.
18. You turn them OFF when you are not using them.
19. You can do this to "Spare the Air" in Greenville County (two words).
20. State of matter that is not liquid or solid (plural).

Down
3. Place where you play in the summer.
4. Observe this rule when driving on a road or highway (two words).
8. You fill it with gasoline in your car.
9. You do it by moving your feet and going places.
10. Atmospheric conditions.
15. A strong, oxidizing, colorless gas that is bad for your lungs.
16. You do it when the engine is running but the vehicle is not moving.

November
Spread information instead of chemicals! The B² program teaches students, parents and communities the dangers of pollution and ways to prevent it.

"Spread the Word" by Keri
Circle the correct words to fill in the blanks

1) We can ______ our cars to reduce emissions, improve car performance, and improve air quality. (properly maintain / not maintain)
2) When the levels of _______ are high, it is bad for our lungs. (the ocean / ground level ozone or PM2.5)
3) _______ come from factories' smoke stacks and vehicles' exhaust pipes. (Emissions / Paper)
4) We need to fill tires with ______ regularly to increase performance and reduce emissions. (water / air)
5) ______ are very tiny substances that get deep into the lungs, causing damage. (Petals / PM2.5)
6) _______ is a condition of the respiratory system that makes breathing difficult. (Asthma / Astigmatism)
7) To improve our air quality, we need to _________________. (change our habits and spread the word / continue polluting the air)
8) ________________ helps us live a healthy life. (Clean air / Contaminated air)
9) We need to logon to the ________________ website to know the air quality index. (http://airnow.gov / http://oceannow.gov)
10) ________________ vehicles do not improve air quality. (Idling / Not idling)

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December
February Solution for Match the Concept with the Definition

e) Particle matter
f) Ozone
h) Top off
j) Breath
k) Weather forecast
l) Pollution
m) Car maintenance
n) Open burning
p) Inflated
c) Gasoline
f) Idling
h) Contamination of air, water, and soil
j) Asthma
k) Clean air
m) Emissions
n) Take action to "Spare the Air"
q) Bicycles
r) Bubbles

We can do this to our cars to reduce emissions, improve car performance, and improve air quality.
An activity banned in South Carolina, which burns certain materials.
When the levels of this pollutant are high, it is bad for our lungs.
They come from factories and vehicles' exhaust pipes.
Very tiny substances that can get deep into our lungs, causing damage if we breathe them.
A condition of the respiratory system that makes breathing difficult.
We need to do this to improve our air quality.
The AirNow website where we can obtain the Air Quality Index/Forecast.
A prediction of the weather for the next few days.
We can change these to help improve air quality in Greenville County.
Contamination of air, water, and soil.
We can ride these to school, work, or other places.
We need to do this regularly to our car tires to increase vehicle performance and reduce emissions.
We all need this to live a healthy life.
We do this when we ride together with other people to school, work, or other places.
We let our cars do this when the engine is running but the vehicle is not moving, and it is bad for air quality.
We usually do this after the gas pump stops automatically, and it is not good for the car and the environment.

March Solution for Find the Words Below

Air quality
Change habits
Ground level ozone
Particle matter
Pollution

Take action to "Spare the Air"
Spare the air

Edit

April Solution for Crossword Puzzle.

Across
1. You can do this to go to school or places by having several people riding with you in the same car. CARPOOL
3. Abbreviation for Nitrogen Oxides, NOx
4. Abbreviation for Particle Matter 2.5, PM2.5
6. Air pollutants combined with fog that are unhealthy for your lungs. SMOG
8. It is the federal law (CAA) that regulates air emissions from area, stationary, and mobile sources. CLEAN AIR ACT
10. A strong, oxidizing, colorless gas that is bad for your lungs. OZONE
11. You can do this at home with kitchen scraps such as peelings, egg shells, and coffee filters and it is good for the plants. COMPOST

Down
1. We can do this to help clean the air in Greenville County. CHANGE HABITS
2. Your parents do this regularly with their car tires to increase fuel performance. INFLATE
4. Contamination of air, water, soil. POLLUTION
5. You can reuse, reduce, and...RECYCLE
7. We should not do this to the gas tank when refueling our vehicles. TOP OFF
9. A respiratory allergic illness that makes it difficult to breathe. ASTHMA

June Solution for Critical Thinking: True or False.

1. When vehicles are not properly maintained, they produce more emissions and pollute more our air. **TRUE**
2. It is fine to burn dead animals, construction debris, paper, household chemicals, tires, and treated wood in South Carolina. **FALSE**
3. When the air quality forecast is red, the air is good and it is not bad for our lungs. **FALSE**
4. Emissions come from factories and vehicles' exhaust pipes. **TRUE**
5. Particle matter 2.5 (PM 2.5) are very tiny substances that are not harmful and do not cause damage to our lungs. **FALSE**
6. Asthma is a condition of the respiratory system that makes breathing difficult and gets worse when ground level ozone and PM 2.5 measures are high. **TRUE**
7. Taking action to "Spare the Air" will help to improve air quality. **TRUE**
8. We can go to http://airnow.gov to obtain the daily Air Quality Index/Forecast. **TRUE**
9. If we do not know the air quality forecast, it will help us to make informed decisions about playing outdoors during the summer. **FALSE**
10. Contamination of air, water, or soil is good for the environment and our health. **FALSE**
11. Riding our bicycles to school, work, or other places improves air quality because emissions from cars are reduced. **TRUE**
12. Properly inflated tires do not increase vehicle performance and do not reduce emissions. **FALSE**
13. Clean air helps us live a healthy life. **TRUE**
14. Carpooling helps to reduce vehicle emissions. **TRUE**
15. The emissions from idling vehicles do not pollute the air. **FALSE**
16. Bringing lunch to work improves air quality because emissions from driving cars are reduced. **TRUE**
August Solution for Crossword Puzzle.

Across
2. Place where you play in the summer. OUTDOORS
4. Synonym of automobile (plural). CARS
5. The fourth month of the year, when ozone season begins. APRIL
7. We fill it with gasoline in our car. TANK
8. We can prevent them by not burning materials (plural). FIRES
9. The system that automatically maintains the speed in your car. CRUISE CONTROL
12. It is the measure that tells you the air quality in your area. INDEX
13. Atmospheric conditions. WEATHER
15. They come from factories and vehicles' exhaust pipes. EMISSIONS
16. You do it by moving your feet and go places. WALK
17. Abbreviation for Volatile Organic Compounds. VOCS
18. It is a biofuel blended with conventional diesel to power engines. BIODIESEL

Down
1. They are tiny little matter that can get into our lungs and cause damage. PARTICLE MATTER
2. An activity banned in South Carolina, which burns certain materials. OPEN BURNING
3. Woody, perennial plants that release oxygen and capture carbon dioxide. TREES
6. Machine that is used to cut the lawn at your house. LAWNMOWER
8. To predict the weather. FORECAST
10. They produce light using electricity. LIGHT BULBS
11. Cars that run with conventional and electric engines. HYBRID
14. State of matter that is not liquid or solid (plural). GASES

November Solution for Crossword Puzzle.

Across
1. Place where products are manufactured. FACTORIES
5. We can prevent them by not burning materials. FIRES
6. You automatically do it through your nose. BREATHE
7. Short trips to do something. ERRANDS
11. They come from factories and vehicles' exhaust pipes. EMISSIONS
12. Respiratory organs that provide oxygen to your blood. LUNGS
14. Inflammation of the membranes lining the bronchial tubes, BRONCHITIS
17. The tenth month of the year, when ozone season ends. OCTOBER
18. You turn them off when you are not using them. LIGHTS
19. You can do this to "Spare the Air" in Greenville County. TAKE ACTION
20. State of matter that is not liquid or solid (plural). GASES

Down
2. The fourth month of the year, when ozone season begins. APRIL
3. Place where you play in the summer. OUTDOORS
4. Observe this when driving on a road or highway. SPEED LIMIT
5. To predict the weather. FORECAST
6. You fill it with gasoline in your car. TANK
9. You do it by moving your feet and go places. WALK
10. Atmospheric conditions. WEATHER
13. Abbreviation for Volatile Organic Compounds. VOCS
15. A strong, oxidizing, colorless gas that is bad for your lungs. OZONE
16. You do it when the engine is running but the vehicle is not moving. IDLING

September Solution for Unscramble the Words.

Asthma
Breathe
Carpool
Change habits
Clean air
Do not burn
Do not idle
Emissions
Forecast
Ground level ozone
Lungs
Particle matter
Pollution
Spare the air
Walk to school

msoacht
etrbhe
olrapco
nghac thsiab
clen cai
ed ot nmnb
ed ot n ide
jonsnuse

dhrugoe elive neooz
gusni
rtelpca tatmrc
hlnolpue
rpes eth ria
bwol ot heolo

December Solution for Circle the Correct Words to fill in the Blanks

1) We can properly maintain our cars to reduce emissions, improve car performance, and improve air quality. (properly maintain/not maintain)
2) When the levels of ground level ozone or PM2.5 are high, it's bad for our lungs. (the ocean/ground level ozone or PM2.5)
3) Emissions come from factories and vehicles' exhaust pipe. (emissions/flowers)
4) We need to fill tires with air regularly to increase performance and reduce emissions. (water/air)
5) PM2.5 are very tiny substances that get deep into the lungs, causing damage. (sand/PM2.5)
6) Asthma is a condition of the respiratory system that makes breathing difficult. (asthma/astigmatism)
7) To improve our air quality, we need to change our habits. (change our habits/continue polluting the air)
8) Clean air helps us live a healthy life. (clean air/contaminated air)
9) We need to logon to the http://airnow.gov website to know the air quality index. (http://airnow.gov/http://oceannow.gov)
10) Idling vehicles do not improve air quality. (idling/not idling)
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