

Estill County Marching Engineers Take Reserve Grand Champion At Hazard

The Marching Engineers traveled to Hazard this week to compete in the Hazard Marching Classic. After an intensive rehearsal schedule during fall break, the band was anxious to show off what changes and improvements had been made. After what was the single best performance of the season to date, it was evident that the hard work had indeed produced results.

Out of the five bands in class 2A, the Marching Engineers finished 1st in their class and won best color guard. Although this was not a prelims/finals event, overall awards were still presented after all class awards were handed out. The band won the coveted Esprit de Corps trophy which is awarded to the group that displays the most pride, discipline, respect, and sportsmanship.

The band also received best OVER-ALL COLOR GUARD out of all competing bands regardless of class. The Marching Engineers were then named RESERVE GRAND CHAMPION, earning the second highest score of all participating bands. Next week the band will travel to South Laurel to compete in the last regular season contest.



Eric Baker
Estill County Extension Agent for Agriculture & Natural Resources

Fall is here! Many trees and shrubs are showing their fall colors. The intensity of fall color and time of peak color vary and are determined by complex environmental factors, as well as the

What Makes Fall Colors?

genetic makeup of the plants themselves. These factors vary by plant and by geographic area. What happens to leaves in the autumn? In summer, leaves are green because of a group of pigments known as chlorophylls. Chlorophylls are vital to the tree's food-making process, called photosynthesis. Leaves manufacture simple sugars from water and carbon dioxide, using energy captured from the sun by the chlorophylls. These sugars are the sole source of the carbohydrates needed for the tree's growth and development. In the food-making process, chlorophylls break down and are continually "used-up". However, the tree

replenishes them all through the growing season. As long as replacement remains high, the leaves stay green. As fall approaches, influences inside and outside of the plant cause the chlorophylls to be replaced at a slower rate. Shorter days cause a layer of cork cells to form at the base of each leaf, gradually closing off the flow of water and minerals into the leaf. This is the location where the leaf will eventually separate from the tree and fall to the ground. As the supply of chlorophylls dwindles, other pigments that may have been present in the leaf all along are slowly unmasked and begin to show through. Unmasked pigments include the carotenoids, which result in brilliant yellows and oranges. Some trees where carotenoids are conspicuous include ash, maple, aspen, birch, black cherry, cottonwood, tulip tree, and sycamore. Another group of pigments, called anthocyanins, are responsible for the reds, purples, and blended combinations of these colors. Un-

like the carotenoids, these pigments have not been present in the leaf all season. Instead, they develop in late summer in the sap of the leaf cells. Their formation depends on the breakdown of sugars in the presence of bright light while the level of phosphate in the leaf is reduced. Phosphate is at a high level during the growing season, but in autumn it moves out of the leaf and into the stem of the plant. When this happens, the sugar breakdown process changes, leading to the production of anthocyanin pigments. The brighter the light, the more anthocyanins are produced and the more brilliant the color. The brightest colors develop when autumn days are sunny and cool, along with nights that are chilly but not freezing. For more information, contact the Estill County Extension Service at 723-4557. Educational programs of the Cooperative Extension Service serve all people regardless of race, color, sex, religion, disability or national origin.

Halloween Events Comes To Estill County Public Library

Estill County Public Library offers up a month of monsters, mutants, ghosts and demons with programs for families, adults and teens this October. Ghost Hunter, Patti Starr - Friday, October 24, at 6:00pm, back by demand, Ghost Hunter Patti Starr will present on ghost hunting in Kentucky, complete with images and sounds she's collected from her years of field experience. Space is available on a first come, first serve. Tween Halloween Party - Those ages six to twelve are invited to the library's first Tween Halloween Party on Saturday, October 25 from 12:30 to 1:30pm, featuring Halloween games, food, and a costume contest. For more information, contact Whitney at (606) 723-3030. For more information on any of the library's programs, please call (606) 723-3030.

Adult Ed. News

Estill County Adult Learning Center

Thursday, October 16th
Postsecondary Counseling
Sherrie Chapman, a counselor with the Commonwealth Educational Opportunity Center at Morehead State University, will be at the center during the morning on Thursday, October 16, 2014. She will be available to assist anyone who needs help in continuing his education; this help includes applying for admission, securing financial aid, scheduling COMPASS and ACT tests, etc. To schedule an appointment with Ms. Chapman, please call the center at 723-7323.

The Garden Bug
Chrysanthemums
These eye-catching flowers come in many colors and petal sizes (from delicate long-petaled blooms to tight clusters of flowers with colorful centers). They're extremely hardy, thriving in conditions where other flowers might fail. Line your walkways and paths with them or place in baskets at your door to add some real pop to your curb appeal.
- Brenda Weaver
Source: www.mnn.com

Stickeler's Puzzle

STICKELERS [sic]
by Terry Stickels

Here's an alphabetic with a phrase we see in the football recruiting wars all the time. Remember, no word can begin with zero.

THE	Let H = 2
CREAM	M = 8
+ CROP	O = 9
STARS	S = 4

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Stickeler's Answer on Page 11

Wishing Well®

5	8	7	8	3	7	2	5	4	5	8	3	7
L	H	U	O	D	N	A	I	G	F	M	O	S
2	3	6	8	5	3	8	3	5	2	5	2	5
G	Y	K	E	E	O	L	U	I	O	S	O	W
4	7	8	2	3	8	5	8	5	3	7	4	8
O	E	I	D	R	F	O	E	N	V	L	O	A
7	5	2	7	2	3	2	8	2	8	6	8	4
F	D	S	I	T	E	A	L	R	T	E	E	D
8	7	8	3	8	7	6	4	2	5	7	4	3
R	S	E	R	D	H	E	J	T	E	A	U	Y
5	7	5	7	3	5	6	5	6	4	6	3	4
R	I	F	D	B	U	P	L	O	D	N	E	G
6	4	6	3	6	4	6	3	6	4	6	4	6
W	M	I	S	N	E	N	T	I	N	N	T	G

HERE IS A PLEASANT LITTLE GAME that will give you a message every day. It's a numerical puzzle designed to spell out your fortune. Count the letters in your first name. If the number of letters is 6 or more, subtract 4. If the number is less than 6, add 3. The result is your key number. Start at the upper left-hand corner and check one of your key numbers, left to right. Then read the message the letters under the checked figures give you.

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CryptoQuote

AXYDLBAAXR
is LONGFELLOW

One letter stands for another. In this sample, A is used for the three L's, X for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each week the code letters are different.

YNFLONB IND VS OFJ AOV
OGC INNY G INDDGB, YVB
CNBTN OFJ AOV OGC
INNY G CNBTGYL.
- RBVTNBI

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CryptoQuip

This is a simple substitution cipher in which each letter used stands for another. If you think that X equals O, it will equal O throughout the puzzle. Solution is accomplished by trial and error.

Clue: K equals L

LE O XOWGXOKK APNHFGN
BHZKR WANLVG HZA OKK APG
XOAAGNW, FHZKR APOA COVG
PLC TLABPGN-TGNEGBA?

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Puzzle Answers

October 15, 2014

Puzzles4Kids

Answer

G	A	R	A	G	E	L	A	G	O	O	N	A	
A	R	A	G	W	E	E	D	A	V	E	R	A	G
B	A	G	E	S				G	G	E	T	A	
G	E	A	G	L	E			P	A	G	A	N	
A	G	G	E					D	R	A	G	O	
A	G	G	E					A	G	A	R	A	
A	G	G	E					M	A	N	A	G	
E	A	G	E	R				R	A	I	G	M	

Letter Box

Solution

H	O	P	I	T	D	Y	R	S
T	R	Y	P	S	O	D	H	I
S	D	I	H	R	Y	P	T	O
Y	P	T	O	H	R	I	S	D
D	I	R	T	Y	S	H	O	P
O	H	S	D	I	P	T	Y	R
I	Y	O	R	D	T	S	P	H
P	T	D	S	O	H	R	I	Y
R	S	H	Y	P	I	O	D	T

FATHER IN VARIOUS LANGUAGES

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CryptoQuote

answer
Neither beg of him who has been a beggar, nor serve him who has been a servant.
- Proverb

CryptoQuip

answer
If a baseball thrower could strike out all the batters, would that make him pitcher-perfect?

Bible Trivia Answers

Casey's trivia book "Know It? ... or Not?" is available from BearManorMedia.com

FBLA Presents Trick-or-Treat Trot 2014 "Super Heros"

Registration	Guidelines
Individual, Business or Organization Name: _____	• ONLY individually pre-packaged candy!
Contact Name: _____	• Set up begins @ 5:00 p.m.
Address: _____	• Booth spots are pre-assigned. You will be escorted to your assigned area at Check-In.
Phone Number: _____	* Check-In @ Court Street Entrance
Email address: _____	• Bring your own table, chairs and decorations.
	• Dress for the theme is encouraged.
Information	• Return registration forms to: Samantha Puckett Estill County High School 397 Engineer Drive Irvine, Kentucky 40336 OR connie.witt@estill.kyschools.us
• Date: October 30, 2014	
• Location: Broadway-Court Street to Estill Avenue	
• Trick-R-Treating Time: 6:00 P.M. to 8:00 P.M.	

Weekly SUDOKU

Answer

7	2	5	3	6	1	8	9	4
4	3	9	8	5	2	6	7	1
6	8	1	7	4	9	5	2	3
9	5	6	2	3	4	7	1	8
2	7	4	6	1	8	3	5	9
8	1	3	9	7	5	2	4	6
3	9	8	4	2	7	1	6	5
1	4	7	5	8	6	9	3	2
5	6	2	1	9	3	4	8	7

King Crossword

Answers

Solution time: 25 mins.

I	M	P	C	H	E	N	J	A	B	S	
B	A	A	R	O	M	E	I	L	I	E	
I	L	L	E	D	U	C	A	T	I	O	N
S	T	E	E	D	K	I	N				
			R	I	D	S	M	E	S	O	N
V	A	C	A	T	I	O	N	Y	A	L	E
O	B	I	S	A	D	I	E	R	I	O	
W	E	A	L	L	O	C	A	T	I	O	N
S	T	O	O	L	M	E	T	H			
			W	E	S	I	O	N	I	C	
A	V	O	C	A	T	I	O	N	O	D	E
L	A	V	A	E	D	I	T	S	O	L	
E	T	A	L	P	O	L	O	E	L	L	

ANSWERS (1) Old; (2) Noon; (3) Baker; (4) Michael; (5) Bread; (6) Plant