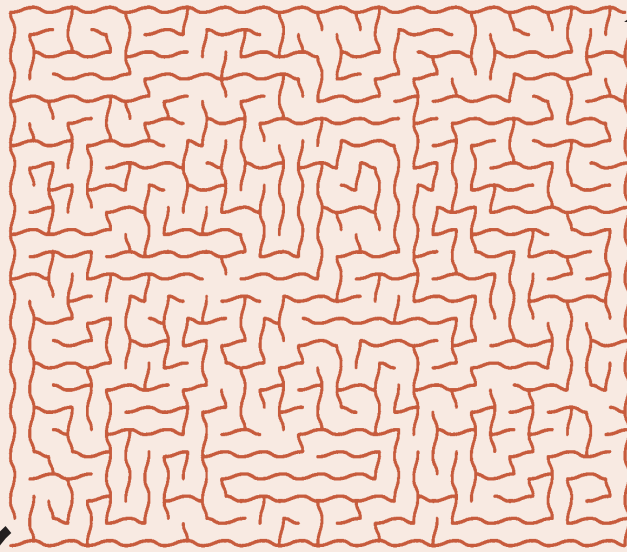


At Hagley's **Science Saturdays** held the fourth Saturday of the month, you and your family can work creatively together to solve a science challenge.

Can you match the name of the science field on the left with its main topic on the right?

- | | |
|-----------------|------------------------------|
| A. Ecology | 1. atmosphere |
| B. Oceanography | 2. animal kingdom |
| C. Geology | 3. ocean |
| D. Meteorology | 4. plants |
| E. Zoology | 5. organisms and environment |
| F. Botany | 6. insects |
| G. Entomology | 7. solid earth |



During **Sampler Sundays** at Hagley on Sundays in February and March, visitors can get a taste of what Hagley has to offer for just \$5! Can you help the Powder Keg Kid find his way to Hagley's Visitor Center?

NATUREFEST WORD SEARCH

On Saturday, May 3, come celebrate Arbor Day, Earth Day, and May Day at this special nature-centered event at Hagley! Find the nature-related words in the grid of letters below.

WORD LIST

BEE
 BLOSSOM
 BUD
 BUTTERFLY
 CROCUS
 DAFFODIL
 EGG
 FLOWER
 INSECT
 NEST
 POLLEN
 RAIN
 RIVER
 ROBIN
 SNOWDROP
 TULIP

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

ANSWERS: SCIENCE SATURDAYS:
 A-5, B-3, C-7, D-1, E-2, F-4, G-6

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HAGLEY MAGAZINE POWDER KEG KIDS PUZZLE PAGE • SUMMER 2014

PLEASE NOTE THAT EVENT INFORMATION IS OUT OF DATE.

At **Fireworks at Hagley presented by Wilmington Trust/M&T BANK** on June 13 and 20, you can enjoy pyrotechnics exploding to music set to this year's theme, "Crazy About Cars!" Can you match the song title with the composer on the right?

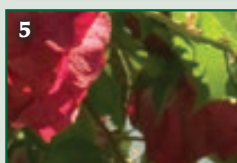
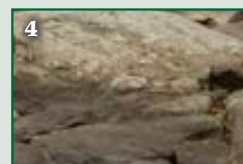
- | | |
|----------------------------|----------------------|
| A. On the Road Again | 1. Aretha Franklin |
| B. I Can't Drive 55 | 2. Queen |
| C. I'm in Love With My Car | 3. Tracy Chapman |
| D. Little Red Corvette | 4. Bruce Springsteen |
| E. Fast Car | 5. Willie Nelson |
| F. Freeway of Love | 6. Prince |
| G. Pink Cadillac | 7. Sammy Hagar |

BIKE AND HIKE PHOTO CLOSE UPS

During Bike and Hike Wednesday evenings from June 25 through August 27, visitors can explore Hagley's beautiful grounds. Can you identify what is in the photos below?



- A. Roses
B. Millrace
C. River rocks
D. Railroad tracks
E. Roll mill
F. Park bench



A-5, B-2, C-4, D-6, E-1, F-3

H2 OH! WORD SEARCH

On July 15 and 19, dive into the amazing world of water at **By Kids For Kids - H2 Oh!** Find the water-related words in the grid below.

WORD LIST

BRANDYWINE
CURRENT
DROPS
FLOW
LAKE
OCEAN
POND
POWER
PRECIPITATION
PUDDLE
RAIN
RIVER
STREAM
TURBINE
WATERWHEEL
WAVE
WET

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

ANSWERS: CAR SONGS:
A-5, B-2, C-4, D-6, E-1, F-3



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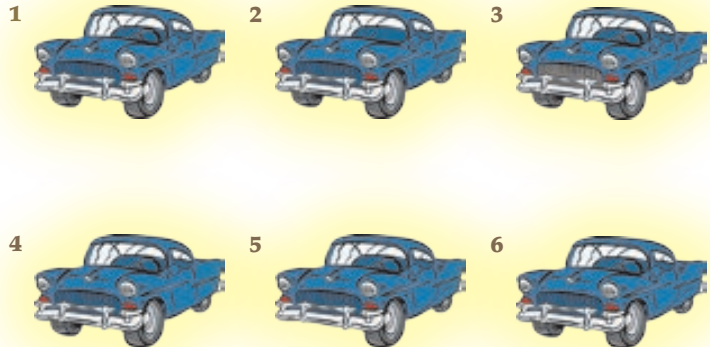
FALL TRIVIA

During Hagley's **Hayrides** on Saturdays in October, you can experience the beautiful fall foliage along the Brandywine. Here is some trivia about the fall season.

- The first day of fall is called the autumnal equinox.
- In the Northern hemisphere, fall lasts from the autumnal equinox until the winter solstice—from about mid-September to mid-December.
- The full moon that happens closest to the autumnal equinox is called a harvest moon.
- September means seven in Latin, but it's the ninth month of the year. This is because when the month was named by the Romans, the calendar started in March. When Julius Caesar created the Julian calendar, the first month was changed to January.
- Columbus Day was changed from October 12 to the second Monday in October by U. S. President Richard Nixon.
- An "Indian summer" is a heat wave that occurs in late fall after the first "killing frost." The origin of the term is unknown.

MATCHING BOX CARS!

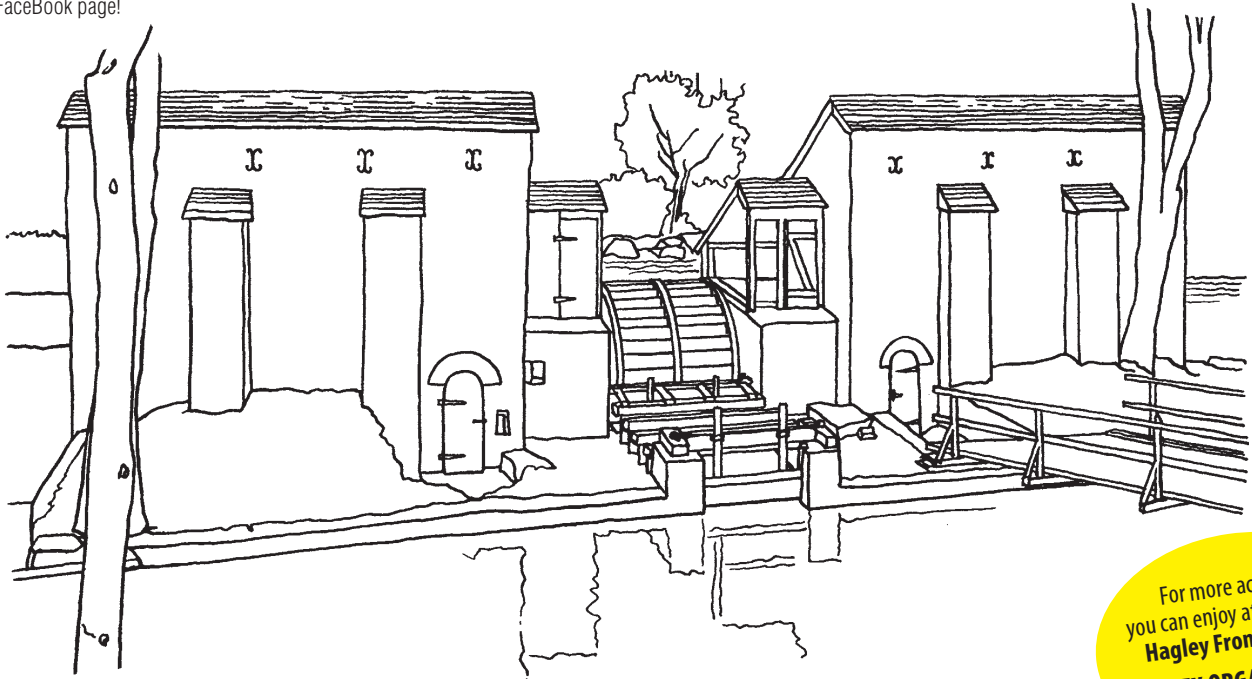
At Hagley's **Car Show** on Sunday, September 14, you can see more than 500 cars from the early 1900s to the 1980s. This year the car show features the family car! Can you help the Powder Keg Kid figure out which two of these cars below is exactly alike? Look closely!



ANSWERS: CARS ONE AND SIX ARE EXACTLY ALIKE

COLOR THE BIRKENHEAD MILLS!

On the "H2 Oh!" Walking Tour, you can discover the evolution of water power at Hagley from the waterwheel to the steam engine. Color the Birkenhead Mills and drop it off at the Hagley Visitor Center. You might see your drawing on Hagley's Facebook page!



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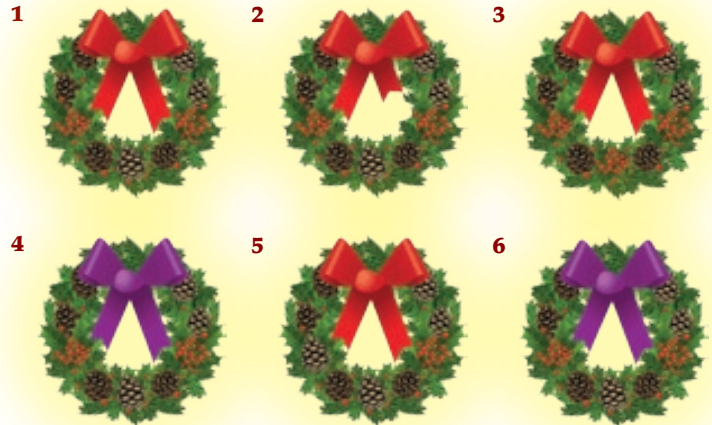
FALL TRIVIA

During Hagley's **Invention Convention** on January 17, 18, and 19, 2015, you can experience lights and lasers! Here are some fun facts about lasers:

- The first working laser was actually demonstrated by Theodore Maiman at the Hughes Research Laboratories in 1960.
- The strength of early lasers was measured in Gillettes, named for the number of razor blades a beam could puncture.
- There are many types of lasers found in everything from electronics to medical items.
- Different types of lasers include gas, chemical, solid state, dye, and stimulated electron lasers.
- Lasers are grouped into classes from 1 to 5 indicating the level of danger. A Class 5 laser can cause permanent blindness and burn skin!
- Lasers can be used for engraving, cutting materials, removing tattoos, eye surgery, and many other uses.
- LASER stands for Light Amplification by Stimulated Emission of Radiation.

MATCHING WREATHS!

During **Holidays at Hagley** from November 28 to January 6, visitors can see many beautiful decorations throughout the property. Can you find the two wreaths below that are exactly alike? Look closely!



FIND THE THIMBLES!

During Hagley's **Thanksgiving Weekend** on November 28, 29, and 30, you can play hide-the-thimble and other parlor games. How many thimbles can you find in the picture of the Gibbons House Parlor below?

ANSWERS: WREATHS FOUR AND SIX ARE EXACTLY ALIKE. THERE ARE TWENTY-ONE THIMBLES HIDDEN IN THE PICTURE. DID YOU LOOK CLOSELY AT THE CARPET?



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