



SCIENCE MATTERS

Science Partners Newsletter

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1. Enrollment is Open for 2017-18 Science Partners Classes!

Science Partners' 2017-18 brochure with registration form and family agreement has been emailed to our current Science Partners families, and now enrollment is open for everyone! Science Partners' website will be updated with 2017-18 information soon.

2017-18 Weekly Tuesday Classes

Life Science for Grades 7-8	8:00 - 9:30 AM
Biology for Grades 9-12	10:00 AM - 12:00 PM
Life Science / Ecology for Grades 5-6	12:30 - 2:00 PM
General Life Science for Grades 3-4	2:30-4:00 PM



Class locations and times for next school year will remain the same, as well as registration fee and monthly tuition. Weekly classes will meet at WaterStone Church in Longwood on Tuesdays for grades 3-8 (Track A – Life Sciences) and for high school biology. Marine Science at SeaWorld classes for students who have successfully completed high school biology will meet monthly on a Friday. Brochure is attached.

2. Happy Valentine's Day!

John 13:35
By this shall all
men know that ye
are my disciples, if
ye have love one to
another.

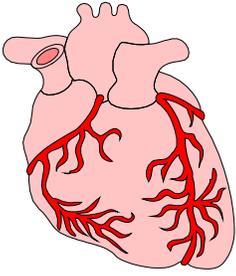
A friend loveth at all times. Proverbs 17:17

*Greater love hath no man than this,
that a man lay down his life for his friends.* John 15:13

*For God so loved the world,
that He gave His only begotten Son,
that whosoever believeth in Him should not perish,
but have everlasting life.* John 3:16

*My little children, let us not love in word, neither in tongue;
but in deed and in truth.* 1 John 3:18

3. The Human Heart – By Design



The human heart is the focus of our Valentine's Day celebration. Here are some interesting facts about our heart and circulatory system that were designed by our Creator to provide us with "abundant life." (Selections from *Body By Design*, by Alan L. Gillen.)

- ♥ The human body has over 60,000 miles of blood vessels – that's 2½ times the distance around the Earth's equator.
- ♥ The heart beats an average of 70 times per minute. That's 4,200 beats per hour or 100,800 beats per day – nonstop – for the rest of your life!
- ♥ The heart pumps about 2,000 gallons of blood each day for a total of over 700,000 gallons each year! To accomplish this, chambers of the heart must contract and relax on a highly coordinated series of actions.
- ♥ The circulatory system even has a method of clotting in case a rupture occurs that might cause blood loss. Imagine a punctured bicycle tire repairing itself without your even knowing it!
- ♥ Red blood cells bathe every other cell in the body with fresh oxygen from the lungs and carry away harmful carbon dioxide gas to be expelled by the lungs.

Isn't God awesome to create such a wonderful thing as the human heart! Have you given Him yours?

4. Science Partners Classes – February Reminders

- ✓ Marine Science meets at WaterStone Church on Friday, February 10.
- ✓ Tuition for weekly, Tuesday Longwood classes is due on the first day of the month and overdue after the 10th with a \$5 per student late fee. Tuition for grades 5-8 is \$75 (1 ½ hours per week). Tuition for high school biology is \$85 (two hours per week).
- ✓ Tuition for monthly Marine Science at SeaWorld classes is \$85. It is due on each class day and overdue one week later with a \$5 per student late fee.



5. Upcoming Science Partners Creation Adventures

[Friday, February 24, Day of the Dinosaurs, Dinosaur World and Mulberry Phosphate Museum](#)



Journey with the Cliftons back in time to the days when dinosaurs walked with man. At Dinosaur World, the world's largest dinosaur attraction, we will see over 200 life-sized models of dinosaurs representing more than 60 species. This lush, shaded semi-tropical setting also has a museum and an awesome gift shop. We will spend the morning with the dinosaurs, find out if dinosaurs are mentioned in the Bible, learn how fossils are made, and even see real fossils and a scale model of Noah's ark! After lunch, we will travel to a phosphate museum where we can see how the worldwide flood affected Florida's

past by fossilizing the remains of sea and land animals and plants. Be sure to bring along a small spade, if you have one. We will spend time digging for shark teeth and a variety of other small fossils outside the phosphate museum! You may keep everything you find! **This trip is a "go." There is still space available. If you are interested, please contact us. See attached information/registration form.**



Friday, March 17, Florida's Water Systems Come along with the Cliftons as we explore Florida's Water Systems from the perspective of God's great design in creation. This day's adventures will include:

- **Canaveral National Seashore - beach talk, beach walk, and cleanup** at this **saltwater ecosystem**, learning about the ocean and the plants and animals that live in and around it. We will look for sea beans, turtle nests, shore birds, animal tracks, and more as we hike and play CNS Bingo.
- **Merritt Island National Wildlife Refuge – see educational displays and film** on the ecology of MINWR and NASA.



- **Indian River Lagoon – wade into this brackish water habitat with seining nets, dip nets, and buckets.**

With our "Catch and Release" permit, on past field trips we have caught various marine specimens such as fish, shrimp, crabs, seahorses, jellyfish, puffer fish, horseshoe crabs, stingrays, etc. We often see manatees and dolphins.

- **St. Johns River – board an airboat to observe the plant and animal life of this freshwater environment.** We usually see gators, eagles, a variety of water birds, turtles, etc. You'll also have the opportunity to hold a baby gator! **Deadline for minimum number is February 17. See attachment for more info.**



Friday, April 21, Marine Science – A Sea of Evidence (marine science workshop)

Can a male sea animal give birth? Are there fish that actually have their own lighting systems? What sea animal has eyes as big as soccer balls? Join Bill and Merilee Clifton - creationists, authors, Florida Master Naturalists, and science educators - as we to learn answers to these and other questions about marine life. Mr. Clifton, former head of SeaWorld Orlando's Education Department will share with us his knowledge of the sea and the awesome creatures that live in it. We'll view a fascinating visual presentation and see many artifacts from the sea including a whale rib, shark teeth and jaw, piranha, puffer fish, and more. We'll also participate in games and crafts to reinforce what we learn about the sea. **This workshop will be held at The Classical School (FBC/Orlando), 3000 South John Young Parkway, Orlando 32805 in Room E2-215/225 from 9:00 AM – 12:00 Noon. Deadline for minimum number is March 24. See attached information/registration form.**



Friday - Saturday, June 9-10, Florida Keys & Everglades – A Creationist Perspective



Our adventure begins on Friday at **Everglades Alligator Farm** where we're in for a unique, fun-filled educational experience. We'll see different species of crocodylians including the American Alligator, American Crocodile, and Spectacled Caiman. Other activities include animal shows and demonstrations as well as a hold-on-to-your-hat airboat ride through the Everglades sawgrass! Then we'll head for **Everglades National Park (ENP)**, the largest protected sub-tropical wilderness in the continental U.S. Evidence here of the awesome work of the Creator is mind-boggling! ENP consists of more than one million acres of rivers of sawgrass, pineland communities, hardwood hammocks, and seldom-seen endangered wildlife. At the **ENP Visitor Center** we'll see their educational displays, movie, and gift shop / bookstore. We'll also **hike Anhinga Trail** looking for native plants and animals. Then we're off to "**Robert is Here,**" a world-famous farmer's market (and more) known for exotic, tropical milkshakes.

On Saturday morning, we'll leave early for Key Largo and **John Pennekamp Coral Reef State Park**, the first undersea park in the U.S. As we **snorkel on this Atlantic Ocean coral reef**, we will gain great insight into the intricate workings of the Creator, Who specifically designed the many life forms to live symbiotically on this "city" beneath the sea. No problem if you've never snorkeled before! After lunch, we'll take a **mangrove hike** and then explore the Visitor Center with its fascinating **aquaria and museum**. Cost includes lodging, three meals (Friday night dinner, Saturday breakfast and Saturday lunch), all entrance / admission / program fees, boat fares, snorkel equipment rental, gratuities for airboat and snorkel boat crews, and educational materials.

Space is limited to the first 47 registrants (boat capacity)! Minimum is 20. You may divide your total into three equal payments: the first is due by **March 3**; the second by **April 7**, and the balance by **May 5**. If another payment plan works better for you, let us know! FYI: **If you would like to arrive a day early or stay a day later, the hotel has agreed to let us have those extra days at our group rate. Let us know if you're interested. Deadline for minimum number is April 21. See attachment for more information.**

6. Artist's Quote

All children are born artists.
The problem is
to remain an artist
as we grow up.
- Picasso



7. 2017 State Fish Art Contest – Deadline March 31!

2017 STATE-FISH ART CONTEST

After learning about fish and their aquatic environment, from the [Fish On! Lesson Plan](#), students take their newly-found knowledge and create a "learning portfolio" contest entry.

FOLLOW THE LINKS BELOW FOR ALL THE ENTRY INFORMATION !!



- [2017 ENTRY FORMS](#)
- [2017 RULES AND GUIDELINES](#)
- [2017 OFFICIAL FISH LIST](#)
- ["MIGHTY MINNOWS" - GRADES K-3](#)
- [BECOME THE 2016 "INVADER CRUSADER"](#)

FOR PARTICIPANTS: [Helpful input from our Judges!](#)

THE CONTEST ENTRY CONSISTS OF TWO PARTS:

1. an original **HORIZONTAL 9"X12" ART ILLUSTRATION** of **ANY STATE-FISH** on this "official state-fish list"
2. a personally written **ONE SIDE OF ONE PAGE** relating to their chosen fish species, its behavior, habitat or conservation issues and/or needs.

**DEADLINE ALWAYS
MARCH 31**

For more information, check out this website:
<http://www.wildlifeforever.org/contest/details>.

QUESTIONS?

Click below to email Karen Hollingsworth.

[EMAIL ME HERE](#)

