

# ELEMENTARY SCIENCE PDP CATALOG 2009 - 2010

The  starburst indicates a course held during the Summer Conference.

Please refer to the Summer Conference Booklet for more information.



**VIRGINIA BEACH CITY PUBLIC SCHOOLS**

A H E A D O F T H E C U R V E

# Elementary Science

## Project WILD - Elementary PDP

This interactive workshop takes an interdisciplinary approach to conversation and environmental education with an emphasis on wildlife. Each teacher completing the Project WILD workshop will receive a 500+ page resource guide with teacher-friendly activities addressing ecological knowledge, social and political knowledge and sustaining fish and wildlife resources. *Bring a packed lunch.*

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

## **P-SCIE-0057-09-001**

August 12, 2009

9:00 AM - 3:00 PM

Wednesday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

6 License Renewal Points/6 PDP Hours

## Aquatic WILD - Elementary PDP

The waters of the Earth, in some form, are within walking distance from anywhere on the planet. Through this interactive workshop, interdisciplinary activities will be presented that will enable participants to explore and understand the fascinating world of water and the aquatic habitats it supports. Each teacher completing the Aquatic WILD workshop will receive a 250+ page resource guide with over 40 teacher friendly activities.

*Bring a packed snack.*

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

## **P-SCIE-0058-09-001**

August 11, 2009

9:00 AM - 1:00 PM

Tuesday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

4 License Renewal Points/4 PDP Hours

## Shapes of Nature PDP

Natural objects like leaves, cones, and seeds come in many different shapes and forms. Learn how simple things found in nature can be used in the classroom. Participants should wear comfortable walking shoes and be prepared to take a short walk outside.

**Eligible Audience:** All Kindergarten Teachers who teach science

## **P-SCIE-0644-09-001**

July 10, 2009

10:00 AM - 12:00 PM

Friday

Virginia Aquarium, Marsh Pavilion

Instructor: Virginia Aquarium Staff

2 License Renewal Points/2 PDP Hours

## Getting Ready for Science in the Second Nine Weeks Using Understanding By Design - Grade 1 PDP

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the second nine weeks. Teachers will also review content and how to differentiate for student needs.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science

## **P-SCIE-0672-09-001**

October 13, 2009

4:00 PM - 6:00 PM

Tuesday

Woodstock ES, TBD

Instructor: Rudiger, Emily R

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Second Nine Weeks Using Understanding By Design - Grade 2 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the second nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 2 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0673-09-001**

October 14, 2009

4:00 PM - 6:00 PM

Wednesday

Linkhorn Park ES, TBD

Instructor: Hinch, Wendy W

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Second Nine Weeks Using Understanding By Design - Grade 3 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the second nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 3 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0674-09-001**

October 20, 2009

4:00 PM - 6:00 PM

Tuesday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Second Nine Weeks Using Understanding By Design - Grade 4 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the second nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 4 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0675-09-001**

October 15, 2009

4:00 PM - 6:00 PM

Thursday

Linkhorn Park ES, TBD

Instructor: Dickens, Allison E

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Second Nine Weeks Using Understanding By Design - Grade 5 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the second nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0676-09-001**

October 22, 2009

4:00 PM - 6:00 PM

Thursday

Birdneck ES, TBD

Instructor: Schulz, Elizabeth

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Third  
Nine Weeks Using Understanding By Design  
- Grade 1 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the third nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0677-09-001**

January 19, 2010

4:00 PM - 6:00 PM

Tuesday

Woodstock ES, TBD

Instructor: Rudiger, Emily R

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Third  
Nine Weeks Using Understanding By Design  
- Grade 2 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the third nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 2 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0678-09-001**

January 20, 2010

4:00 PM - 6:00 PM

Wednesday

Linkhorn Park ES, TBD

Instructor: Hinch, Wendy W

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Third  
Nine Weeks Using Understanding By Design  
- Grade 3 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the third nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 3 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0679-09-001**

January 21, 2010

4:00 PM - 6:00 PM

Thursday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Third  
Nine Weeks Using Understanding By Design  
- Grade 4 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the third nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 4 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0680-09-001**

January 26, 2010

4:00 PM - 6:00 PM

Tuesday

Linkhorn Park ES, TBD

Instructor: Dickens, Allison E

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Third  
Nine Weeks Using Understanding By Design  
- Grade 5 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the third nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0681-09-001**

January 28, 2010

4:00 PM - 6:00 PM

Thursday

Birdneck ES, TBD

Instructor: Schulz, Elizabeth

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Fourth  
Nine Weeks Using Understanding By Design  
- Grade 1 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the fourth nine weeks. Teachers will also review content and how to differentiate for student needs.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0682-09-001**

March 16, 2010

4:00 PM - 6:00 PM

Tuesday

Woodstock ES, TBA

Instructor: Rudiger, Emily R

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Fourth  
Nine Weeks Using Understanding By Design  
- Grade 2 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the fourth nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 2 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0683-09-001**

March 17, 2010

4:00 PM - 6:00 PM

Wednesday

Linkhorn Park ES, TBD

Instructor: Hinch, Wendy W

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Fourth  
Nine Weeks Using Understanding By Design  
- Grade 3 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the fourth nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 3 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0684-09-001**

March 18, 2010

4:00 PM - 6:00 PM

Thursday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Fourth  
Nine Weeks Using Understanding By Design  
- Grade 4 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the fourth nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 4 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0685-09-001**

March 23, 2010

4:00 PM - 6:00 PM

Tuesday

Linkhorn Park ES, TBD

Instructor: Dickens, Allison E

2 License Renewal Points/2 PDP Hours

**Getting Ready for Science in the Fourth  
Nine Weeks Using Understanding By Design  
- Grade 5 PDP**

This session is grade level specific and will allow teachers to practice labs and activities which will be taught in the fourth nine weeks. Teachers will also go over content and how to differentiate for student needs.

**Eligible Audience:** All grade 5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0686-09-001**

March 24, 2010

4:00 PM - 6:00 PM

Wednesday

Birdneck ES, TBD

Instructor: Schulz, Elizabeth

10 License Renewal Points/25 PDP Hours

**Marine Mammal Science PDP**

This teacher training focuses on marine mammals found along the coast of Virginia. Activities include a dolphin watch boat trip, a behind-the-scenes tour of the seal exhibit, and a tour of the stranding center. A variety of ideas for classroom activities will be explored. *Bring a packed lunch.*

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0690-09-001**

July 16, 2009

10:45 AM - 4:00 PM

Thursday

Virginia Beach Fishing Center

Instructor: Virginia Aquarium Staff

5 License Renewal Points/5 PDP Hours

**Sea Turtle Science PDP**

This teacher training focuses on the many types of turtles found in Virginia including freshwater turtles, land turtles, and sea turtles. Many ideas for classroom application of content will be discussed. *Bring a packed lunch.*

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0694-09-001**

July 15, 2009

10:00 AM - 3:00 PM

Wednesday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

5 License Renewal Points/5 PDP Hours

**Project WET PDP**

This interactive workshop is designed to promote awareness, appreciation, knowledge and stewardship of water resources through classroom ready teaching aids. Each teacher who completes the class will receive a 500+ page resource and activity guide with over 60 teacher-friendly activities to help teach the sciences in addition to linking other curriculum areas. *Bring a packed lunch.*

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0796-09-001**

August 14, 2009

9:00 AM - 3:00 PM

Friday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

6 License Renewal Points/6 PDP Hours

**Project Learning Tree - Grades K-5 PDP**

This interactive workshop is designed to help students learn "how" to think about complex environmental issues through hands-on interdisciplinary activities. Each teacher who completes the class will receive a 400+ page activity guide with over 90 teacher-friendly activities to help teach the sciences in addition to linking other curriculum areas. *Please bring a packed lunch* and meet in the Bay and Ocean Pavilion (Main Building) - Classroom.

**Eligible Audience:** All grade K-5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0817-09-001**

July 17, 2009

9:00 AM - 3:00 PM

Friday

Virginia Aquarium

Instructor: Virginia Aquarium Staff

6 License Renewal Points/6 PDP Hours

**Science Court - Grades 3-5 PDP**

Science Court is interactive software that engages students. The program uses humorous courtroom drama to provide students with opportunities for demonstrations, explanations, and predictions. Students work in cooperative teams in this easily administered, fast paced, thought provoking, science based program.

**Eligible Audience:** All grade 3-5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0819-09-001**

August 18, 2009

10:00 AM - 12:00 PM

Tuesday

Three Oaks ES, TBD

Instructor: Whalen, Kelli K

2 License Renewal Points/2 PDP Hours

**Scientific Observations PDP**

Participants will explore how to effectively conduct investigations in the classroom through classifying observation and simple experiments. Participants should wear comfortable walking shoes and be prepared to take a short walk outside.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0820-09-001**

July 07, 2009

9:00 AM - 11:00 AM

Tuesday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

2 License Renewal Points/2 PDP Hours

**Inquiring Minds Want to Probe, Grade 1**  
**PDP**

Data collection is an integral part of science inquiry. The Vernier Computer Sensor probes allow students to "think like scientists" and collect data as part of their inquiry lessons. This class will focus on lessons geared for the first grade curriculum integrating the computer sensor probes technology. Participants will receive lesson ideas and have time for hands-on practice with the probes.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0837-09-001**

October 06, 2009

4:00 PM - 6:00 PM

Tuesday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Inquiring Minds Want to Probe, Grade 2**  
**PDP**

Data collection is an integral part of science inquiry. The Vernier Computer Sensor probes allow students to "think like scientists" and collect data as part of their inquiry lessons. This class will focus on lessons geared for the second grade curriculum integrating the computer sensor probes technology. Participants will receive lesson ideas and have time for hands-on practice with the probes.

**Eligible Audience:** All grade 2 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0838-09-001**

September 29, 2009

4:00 PM - 6:00 PM

Tuesday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Inquiring Minds Want to Probe, Grade 3**  
**PDP**

Data collection is an integral part of science inquiry. The Vernier Computer Sensor probes allow students to "think like scientists" and collect data as part of their inquiry lessons. This class will focus on lessons geared for the third grade curriculum integrating the computer sensor probes technology. Participants will receive lesson ideas and have time for hands-on practice with the probes.

**Eligible Audience:** All grade 3 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0839-09-001**

October 07, 2009

4:00 PM - 6:00 PM

Wednesday

North Landing ES, TBD

Instructor: Coffin, Tracy J

2 License Renewal Points/2 PDP Hours

**Inquiring Minds Want to Probe, Grade 4**  
**PDP**

Data collection is an integral part of science inquiry. The Vernier Computer Sensor probes allow students to "think like scientists" and collect data as part of their inquiry lessons. This class will focus on lessons geared for the fourth grade curriculum integrating the computer sensor probes technology. Participants will receive lesson ideas and have time for hands-on practice with the probes.

**Eligible Audience:** All grade 4 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0840-09-001**

October 08, 2009

4:00 PM - 6:00 PM

Thursday

Linkhorn Park ES, TBD

Instructor: Dickens, Allison E

2 License Renewal Points/2 PDP Hours

**Inquiring Minds Want to Probe, Grade 5**  
**PDP**

Data collection is an integral part of science inquiry. The Vernier Computer Sensor probes allow students to "think like scientists" and collect data as part of their inquiry lessons. This class will focus on lessons geared for the fifth grade curriculum integrating the computer sensor probes technology. Participants will receive lesson ideas and have time for hands-on practice with the probes.

**Eligible Audience:** All grade 5 science teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0841-09-001**

October 01, 2009

4:00 PM - 6:00 PM

Thursday

Pembroke ES, TBD

Instructor: Darling, Sharon G

2 License Renewal Points/2 PDP Hours

**Planning Science in Grade 1** PDP

Making science relevant to students' lives and their experiences is critical. Teachers must possess science content knowledge and skills in order to highlight key concepts and ideas for students. Teachers must also be able to adjust content, process, and products in response to student readiness, learner profile, and interest. This session will provide teachers with an opportunity to conduct student labs, share ideas related to differentiation, and work with other first grade teachers in the effective implementation of the VBCPS science units of study.

**Eligible Audience:** All grade 1 teachers, gifted resource teachers, and special education teachers who teach science



**P-SCIE-0842-09-001**

June 23, 2009

8:30 AM - 11:30 AM

Tuesday

Landstown HS - Room 400

Instructor: Rudiger, Emily R

3 License Renewal Points/3 PDP Hours

**Planning Science in Grade 2** PDP

Making science relevant to students' lives and their experiences is critical. Teachers must possess science content knowledge and skills in order to highlight key concepts and ideas for students. Teachers must also be able to adjust content, process, and products in response to student readiness, learner profile, and interest. This session will provide teachers with an opportunity to conduct student labs, share ideas related to differentiation, and work with other second grade teachers in the effective implementation of the VBCPS science units of study.

**Eligible Audience:** All grade 2 teachers, gifted resource teachers, and special education teachers who teach science



**P-SCIE-0843-09-001**

June 23, 2009

12:30 PM - 3:30 PM

Tuesday

Landstown HS - Room 202

Instructor: Hinch, Wendy W

3 License Renewal Points/3 PDP Hours

### **Planning Science in Grade 3 PDP**

Making science relevant to students' lives and their experiences is critical. Teachers must possess science content knowledge and skills in order to highlight key concepts and ideas for students. Teachers must also be able to adjust content, process, and products in response to student readiness, learner profile, and interest. This session will provide teachers with an opportunity to conduct student labs, share ideas related to differentiation, and work with other third grade teachers in the effective implementation of the VBCPS science units of study.

**Eligible Audience:** All grade 3 teachers, gifted resource teachers, and special education teachers who teach science



### **P-SCIE-0844-09-001**

June 24, 2009

12:30 PM - 3:30 PM

Wednesday

Landstown HS - Room 206

Instructor: Coffin, Tracy J

3 License Renewal Points/3 PDP Hours

### **Planning Science in Grade 4 PDP**

Making science relevant to students' lives and their experiences is critical. Teachers must possess science content knowledge and skills in order to highlight key concepts and ideas for students. Teachers must also be able to adjust content, process, and products in response to student readiness, learner profile, and interest. This session will provide teachers with an opportunity to conduct student labs, share ideas related to differentiation, and work with other fourth grade teachers in the effective implementation of the VBCPS science units of study.

**Eligible Audience:** All grade 4 teachers, gifted resource teachers, and special education teachers who teach science



### **P-SCIE-0845-09-001**

June 22, 2009

8:30 AM - 11:30 AM

Monday

Landstown HS - Room 131

Instructor: Dickens, Allison E

3 License Renewal Points/3 PDP Hours

### **Planning Science in Grade 5 PDP**

Making science relevant to students' lives and their experiences is critical. Teachers must possess science content knowledge and skills in order to highlight key concepts and ideas for students. Teachers must also be able to adjust content, process, and products in response to student readiness, learner profile, and interest. This session will provide teachers with an opportunity to conduct student labs, share ideas related to differentiation, and work with other fifth grade teachers in the effective implementation of the VBCPS science units of study.

**Eligible Audience:** All grade 5 teachers, gifted resource teachers, and special education teachers who teach science



### **P-SCIE-0846-09-001**

June 22, 2009

8:30 AM - 11:30 AM

Monday

Landstown HS - Room 132

Instructor: Schulz, Elizabeth

3 License Renewal Points/3 PDP Hours

**Science Seekers - Grade 5 PDP**

"Science Seekers" is interactive software that totally engages students. The program allows students to role-play a team of science problem solvers on special assignment, through an introductory video and mission information found in their expert booklets. Students receive mission details which set up a problem they need to solve with opportunities for explanations, and predictions. The children work in cooperative teams in this easily administered, fast paced, thought provoking, science based program.

**Eligible Audience:** All grade 5 teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0847-09-001**

October 6, 2009

4:00 PM - 6:00 PM

Tuesday

Three Oaks ES, TBD

Instructor: Whalen, Kelli

2 License Renewal Points/2 PDP Hours

**Virginia Over Time - Elementary PDP**

Take a journey to far away places that bring you a little closer to home. In this teacher workshop, participants will explore how geologic processes such as plate tectonics have affected climate, plants, and animals in Virginia from past to present. *Bring a packed snack.*

**Eligible Audience:** All grade K-5 science teachers, gifted resource teachers, and special education teachers who teach science

**P-SCIE-0848-09-001**

July 08, 2009

9:00 AM - 1:00 PM

Wednesday

Virginia Aquarium, Main Building

Instructor: Virginia Aquarium Staff

4 License Renewal Points/4 PDP Hours

**Applying Physics to Our World PDP**

This course is a one credit college course offered through Tidewater Community College. Participants will learn about the applications of Newtonian Mechanics to the real world. In particular, roller coasters at Busch Gardens will be used to explore the concepts of forces, acceleration and energy.

Participants in this course must register with TCC prior to the first class. Participants will be contacted with TCC registration information prior to the beginning of the course.

Note: Tuition for this course is being paid by VBCPS. Books, materials and any college or university parking fees are the responsibility of the participant. Failure to enroll or successfully complete the course or activity through termination of employment, failure to attend or pass the course requirements with a grade of "C" or higher will result in the obligation of the Employee to reimburse the School Board entire amount of the tuition and related costs.

For questions, contact Judy Fisher at 263-1145.

**Eligible Audience:** Grades 4 & 5 Science Teachers

**C-SCIE-0784-09-001**

**College Course:** PHY 195

Tidewater Community College

January 1, 2010 - January 31, 2010

Times TBA  
Days TBA

Tidewater Community College

Instructor: TCC Staff

1 Semester Hour/30 License Renewal Points/15 PDP Hours

**Cancelled**

**Geology of Virginia - Grades K-5 PDP**

This course is a one-credit college course offered through TCC. Participants will learn about the geology of Virginia to include the geologic history, rocks, and fossils of the various provinces.

Note: Tuition for this course is being paid by VBCPS. Books, materials and any college or university parking fees are the responsibility of the participant. Failure to enroll or successfully complete the course or activity through termination of employment, failure to attend or pass the course requirements with a grade of "C" or higher will result in the obligation of the Employee to reimburse the School Board entire amount of the tuition and related costs.

For questions, contact Judy Fisher at 263-1145.

**Eligible Audience:** Grades K-5 Science Teachers

**C-SCIE-0811-09-001**

**College Course:** GOL 195

Tidewater Community College

February 1, 2010 - February 28, 2010

Times TBA

Days TBA

Tidewater Community College

Instructor: TCC Staff

1 Semester Hour/30 License Renewal Points/15 PDP Hours

## Principles of Meteorology - Grades 2-5

### PDP

This is a one credit college course which provides participants with a general overview of the science of meteorology. Topics to be covered include the atmosphere, clouds, temperature and pressure measurement, precipitation, severe weather, hurricanes, El Nino, global warming, and Internet resources.

### Course Meets:

Saturday, November 14, 2009 9:00 AM-5:00 PM

Saturday, November 21, 2009 9:00 AM-4:00 PM

Note: Tuition for this course is being paid by VBCPS. Books, materials and any college or university parking fees are the responsibility of the participant. Failure to enroll or successfully complete the course or activity through termination of employment, failure to attend or pass the course requirements with a grade of "C" or higher will result in the obligation of the Employee to reimburse the School Board entire amount of the tuition and related costs.

For questions, contact Judy Fisher at 263-1145.

**Eligible Audience:** Grades 2-5 Science Teachers

**C-SCIE-0812-09-001**

**College Course: OEAS 495**

Old Dominion University

November 14, 2009 - November 21, 2009

9:00 AM - 5:00 PM

Saturday

ODU/NSU Higher Ed Center

Instructor: TBD

1 Semester Hour/30 License Renewal Points/15 PDP Hours

## **ELEMENTARY SCIENCE**

### **2009-2010 PRE-APPROVED NON-DIVISION SPONSORED PROFESSIONAL DEVELOPMENT PROGRAM (PDP) ACTIVITIES**

The following events are sponsored by organizations other than Virginia Beach City Public Schools; however, they are approved as acceptable Professional Development Program (PDP) activities. Teachers wishing to participate in these events should contact directly the sponsoring agency or institution to apply or register. All costs associated with the activity are the responsibility of the teacher and/or the school. **To acquire PDP credit for any of the activities listed below, the activity must relate to the participant's primary teaching assignment and attendance must be during off-contract hours.** Professional reasons leave may not be used to fulfill PDP hours. All PDP hours must be obtained beyond contractual hours. If any of the events listed below occur during contract hours, personal reasons leave may be used provided documentation is submitted verifying personal reasons leave was used to attend the approved alternative activity. **Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.**

**PLEASE NOTE:** "In general the school board subscribes to the principle that no employee of the board shall be paid twice for the same work period," according to Virginia Beach City Public Schools School Board Policy 2-57. If pay is offered for participation in the pre-approved activity, then the PDP participant must decide whether pay or PDP is desired. Both cannot be earned for a single pre-approved activity. If pay is decided, then it is not necessary to complete the Pre-Approved Non-Division Sponsored Verification Form.

#### **Mathematics and Science Classroom (10 PDP Hours)**

**Regent University, Virginia Beach, VA, July 9-11, 2009, 9:00 a.m. -3:00 p.m.**

This class is open to teachers of grades 3-5. Participants will experience recent advances in technology that can be used in the classroom to enhance instruction such as wikis, blogs, digital storytelling, podcasting, movie maker and probes. Pre-approved; cost is the responsibility of the teacher or school. For more information contact Dr. Jenny Sue Flannagan at 757-226-4123 or [jennfla@regent.edu](mailto:jennfla@regent.edu).

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

#### **Inquiry Institute (10 PDP Hours)**

**Regent University, Virginia Beach, VA., July 15-17, 2009, 9:00 a.m. - 2:00 p.m.**

Participants will explore scientific investigation, reasoning and logic through a variety of experiments and activities in order to consider how inquiry-based learning promotes understanding of the nature of science. Participants will explore how teachers can facilitate student understanding of concepts associated with life, earth and physical science topics. Pre-approved; cost is the responsibility of the teacher or school. For more information contact Dr. Jenny Sue Flannagan at 757-226-4123 or [jennfla@regent.edu](mailto:jennfla@regent.edu).

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

## **ELEMENTARY SCIENCE PRE-APPROVED NON-DIVISION SPONSORED PDP**

### **Kindergarten Science Institute (10 PDP Hours)**

**Regent University, Va. Beach, VA, Aug. 6, 2009 & Jan. 9, 2010, 9:00 a.m. - 3:00 p.m.**

This two-part institute will provide kindergarten teachers with experience with hands-on experiments that can be easily replicated in the classroom. These experiments, geared at getting young children engaged in science, have been designed to be easily carried out with kindergarten students. These activities are intended to serve as a spring board for further reading and writing experiences. Participants in this class will receive several children's book titles as well as the materials to conduct all experiments. Pre-approved; cost is the responsibility of the teacher or school. For more information contact Dr. Jenny Sue Flannagan at 757-226-4123 or

[jennfla@regent.edu](mailto:jennfla@regent.edu).

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Virginia Association of Science Teachers Annual (VAST) Conference (4-7 PDP Hours)**

**Dulles Airport Hilton Hotel, November 5-7, 2009**

Pre-approved; cost is the responsibility of the teacher or school. For more information log onto

[www.vast.org](http://www.vast.org).

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Tidewater Association of Science Educators (TASE) Conference (2 - 7 PDP Hours)**

**Virginia Beach, VA, Date TBD**

Pre-approved; cost is responsibility of the teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **National Science Teachers Association (NSTA) Eastern Regional Conference (7 PDP Hours)**

**Fort Lauderdale, FL, November 12-14, 2009**

Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **National Science Teachers Association (NSTA) Annual Conference (7 PDP Hours)**

**Philadelphia, PA, March 18-21, 2010**

Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

## **ELEMENTARY SCIENCE PRE-APPROVED NON-DIVISION SPONSORED PDP**

### **Chesapeake Bay Foundation Courses (15 PDP Hours)**

#### **Location TBD, Various Dates**

Teachers must apply and be selected for these week-long courses. Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Virginia Department of Education Sponsored Workshops (4 - 15 PDP Hours)**

#### **Various Dates**

Teachers must apply and be selected for these week-long workshops. Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **National Aeronautics and Space Administration (NASA) Sponsored Workshops (4 - 15 PDP Hours)**

#### **Location and Date TBD**

Teachers must apply and be selected for these week-long workshops. Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Vernier Technology Workshops (4 - 15 PDP Hours)**

#### **Location and Date TBD**

Teachers must apply and be selected for these week-long workshops. Pre-approved; cost is responsibility of teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **WHRO Online Courses (7 - 15 PDP Hours)**

#### **Various Dates**

Teachers must apply and be selected for these courses. Course titles and descriptions can be found at [www.whro.com](http://www.whro.com). Pre-approval must be granted on an individual basis.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

## **ELEMENTARY SCIENCE PRE-APPROVED NON-DIVISION SPONSORED PDP**

### **National Geographic Society, JASON (Education Through Exploration) Academy Online Courses (15 PDP Hours)**

#### **Various Dates**

Teachers must apply and be selected for these courses. Course titles and descriptions can be found at [www.jason.org](http://www.jason.org). Pre-approval must be granted on an individual basis. Cost is the responsibility of the teacher or the school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **College Science Courses (15 PDP Hours)**

#### **Various Dates**

Successful completion of any college or graduate course in science that pertains to the current teaching assignment is acceptable. Registration and cost are the responsibility of the teacher.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **North American Association for Environmental Education (NAAEE) Conference (7 PDP Hours)**

#### **Location and Date TBD**

This conference will offer a lot of interactive sessions for science and social studies. Registration form for the conference can be found at [www.naaee.org](http://www.naaee.org). Pre-approved; cost is responsibility of the teacher or school.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Learning Through National Science Teacher Association (NSTA) Web Seminars (7 PDP Hours)**

Design your own professional development by choosing to participate in any two of the many NSTA Web seminars offered. From these seminars, apply what you've learned to your classroom to share real-world experiences with your students.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### **Virginia Aquarium Open House (2 PDP Hours)**

#### **Date TBD**

Learn about teacher and student opportunities offered at the Virginia Air and Space Center. Discover new educational offerings including: Science in a Box, Space Explorers, Shuttle Simulator, and teacher workshops. Eligible Teachers: Elementary teachers (K-5) who teach science.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

## ELEMENTARY SCIENCE PRE-APPROVED NON-DIVISION SPONSORED PDP

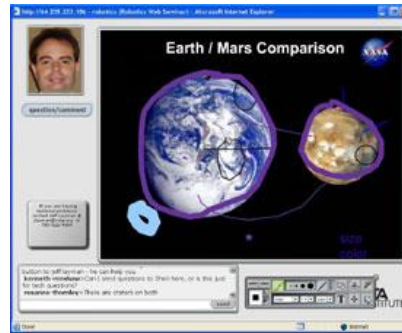
### National Science Teacher Association (NSTA) Web Seminar site (7 PDP Hours)

[http://institute.nsta.org/web\\_seminars.asp](http://institute.nsta.org/web_seminars.asp)

The National Science Teacher Association Web Seminars are 90-minute, live professional development experiences that use online learning technologies to allow participants to interact with nationally acclaimed experts, National Science Teacher Association (NSTA) Press authors, and scientists, engineers, and education specialists from NSTA government partners such as National Aeronautics and Space Administration (NASA), National Oceanic and Atmospheric Administration (NOAA), Food and Drug Administration (FDA), and the National Science Digital Library (NSDL).

Here's what makes National Science Teacher Association (NSTA) Web Seminars such unique professional development opportunities:

- Seminars are conveniently scheduled to allow educators from all U.S. time zones to participate!
- Travel is not required-the program takes place at your desktop!
- Get real-time answers to your questions from content and pedagogical experts!
- The programs are live and interactive -all online tools are provided!



*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

### Virginia Air and Space Center Open House (2 PDP Hours)

**Date TBD**

Learn about teacher workshops and teacher and student materials. Eligible Teachers: Elementary teachers (K-5) who teach science.

*Evidence of participation and a completed Professional Development Program Non-Division Sponsored Verification Form for Pre-Approved Activities must be reported to Joanne Lucas, Organizational Development.*

## **ELEMENTARY SCIENCE PRE-APPROVED NON-DIVISION SPONSORED PDP**

### **ADDITIONAL NON-DIVISION SPONSORED PDP ACTIVITIES**

Additional non-division sponsored events that can be used to fulfill the PDP requirement may be made available throughout the year. Information on these opportunities will be made available through the coordinators, grade level/department chairs, lead teachers, or specialists.

### **PDP ALTERNATIVES**

Activities and/or events not included in this catalog may qualify for up to fifteen (15) PDP hours per school year. Teachers seeking approval for an alternative request must submit a Professional Development Program Alternative Request Application to the appropriate director prior to the event or no later than two weeks following the event. Upon completion of the activity, the signed form must be submitted to the Office of Organizational Development with appropriate documentation verifying attendance and completion of the activity. See the *PDP Information Booklet* for more information and the appropriate form.