



Phosphorus Awareness Project

Resources for Schools & Youth Groups

Incursions and Excursions

*All incursions/excursions are linked to the WA and Australian Curriculum Framework. Curriculum linked programs are currently being developed for each incursion/excursion.

• **Algae Busters – Catchment Story Incursion (Kindy - Year 4)**

Interactive presentation where students learn about catchments, nutrients and algae. Students participate in a fun catchment story about nutrient sources and see first hand what happens when nutrients enter our river and wetland systems. Students also learn how to save our rivers and wetlands.

• **River Food Web Incursion (Years 5-12)**

Students not only learn about catchments, nutrients and algae but also how complex river and wetland ecosystems are. Students become an animal or plant and interact with other animals in the system. They will discover just how reliant they are on each other when an algal bloom occurs!

• **Building a Frog Pond Incursion (All Years)**

A must have presentation if a school is considering building a frog pond/bog. Students learn about the frogs of the Perth Region and listen to their calls then a mini frog pond is constructed in the classroom.

All the essential elements in constructing frog habitat are covered in detail.



• **Clean Drains River Gains Incursion (Years 5-12)**

Students learn about catchments, pollution and algae with an emphasis on stormwater drains. Students will locate drains in the school grounds and then the Clean Drains River Gains message will be painted on them. Students will learn in detail how to keep our rivers healthy.

• **Go Fish! – Canning River Fish Incursion (Years 5-12)**

Students go 'fishing' and discover what fish are found in the freshwater section of the Canning River and other waterways around Perth. What affects our native fish is discussed and students help to create healthy fish habitat. What we can all do to look after our native fish and our waterways is also covered.



• **Planting Opportunities (All Years – Available June - October)**

Students get a chance to get dirty at a local rehabilitation site where they will plant local native species! The benefits of planting these species will be covered in detail including increasing biodiversity and improving the health of rivers and wetlands.

Resource Sheets

- **Our Rivers Need You** – A fun colouring in worksheet that explains where nutrients comes from, how it affects our rivers and what we can do about it.
- **Where Does the Water Go?** – A fun colouring in worksheet which shows where water from our houses and our street drains flow to.
- **Please Don't Feed Us** – A fun colouring in sheet about why we should not feed bread to water birds.
- **Clean Drains River/Wetland Gains** – Another fun colouring in sheet about drains and frogs.
- **Go Fish!-How I Can Protect our Native Fish** – A worksheet to help students think about what activities they and their families do that may affect native fish and what they can do to protect them.
- **Detergents We Use In My Home** – A worksheet to be completed at home with the help of parents. A close look at the types of detergents used at home.
- **Questionnaire: Phosphorus Use Around The Home** – Another worksheet to be completed at home with the help of parents. Makes families think about how much phosphorus they may be putting into the environment.
- **Buyer Beware – Read the Labels!** – A worksheet designed to make the student think about how different products are marketed.
- **The Great Algae Growing Exercise** – A fun scientific activity where students discover what makes algae grow.
- **Our Waterways Need You To Help Stop Algal Blooms** – A worksheet to help students think about what activities they and their families do that may contribute to algal blooms and what they can do to prevent them.
- **Creative Activities** – Suggestions for students to participate in a fun phosphorus activity!





Freshwater Fauna Project

SERCUL in partnership with Murdoch University's Freshwater Fish Group have produced an education package on freshwater fauna of South-western Australia. Two brochures, a field guide and three short films have been produced and a curriculum linked program, for all year levels, will be available in 2012.



Nutrient Display

A colourful display which explains the problem, cause and solutions to nutrients and algal blooms in our rivers. This display is available to be borrowed.

Resource Kits

There are a number of resource kits and files available to borrow from SERCUL. This includes a frog kit containing preserved frogs and information sheets, macroinvertebrate kit and files including the Swan River Education Kit, Our Bushland Classroom and many, many more. For a full list of kits go to www.sercul.org.au/eduresources.html



SERCUL's School's Catchment Education Newsletter

In the first week of every term this newsletter is distributed to teachers in Perth. The newsletter contains teacher PD opportunities and provides ideas and highlights opportunities to get students and schools involved in environmental and catchment education. If you would like to be included on the distribution list for the newsletter please contact Amy.

Canoeing on the Canning - Teacher Professional Learning

Canoeing on the Canning is a full day PL opportunity, held during National Water Week in October. Learn about the Indigenous connections to the river, explore the local biodiversity, learn about the fresh water and salt water ecosystems of the area, and hear about the key environmental issues that threaten the Canning River ecosystem while canoeing and on foot. Canoeing on the Canning can also be tailored to an all school PL day or team building session.



City of Gosnells Museum Program

The Phosphorus Awareness Project (PAP) has a fantastic partnership with the City of Gosnells Museum. The Old Fashioned Cleaners education activity is run through the Museum by the PAP.

Old Fashioned Cleaners

Today toxic cleaning products are used regularly in our homes. Students learn that there are alternatives to these toxic products that are not only better for our health but also the environment. Students clean with these alternatives which were used by our great-grandparents.

This activity is run in conjunction with other activities relating to past times.



For more information on the other activities at the Museum or to make a booking please phone the Museum on 9490 1575. The Museum is located on Homestead Road, Gosnells.

The cost for these activities is \$4.40 per student.

Baldivis Children's Forest Education Program

The PAP also have a partnership with the Baldivis Children's Forest. The PAP run the Catchment Story and River Food Web activities at the Forest. Charges apply. Please refer to www.baldivis-childrens-forest.com.au or call Mary Rayner on 9524 1150 for further information or to make a booking.

The Forest is located at 1399 Mandurah Road, Baldivis.

Contact Information

For further information on any of the resources or if you would like a **FREE** incursion at your school or to get involved in planting opportunities please contact:

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