



G.A.T.E.WAYS 'TAKE AN OLOGY!' - TERM 1 2010

YEARS 1, 2 and 3

Wednesday 31st March 2010

Radford College, College Street, Bruce

9.15 am – 3.40 pm

G.A.T.E.WAYS and Radford College are delighted to invite budding young scientists to 'Take An Ology!' to investigate and explore a range of exciting and specialised topics all of which are designated by terms ending in 'ology'. In this upcoming *Eureka* program, participants will be involved in three science-based enrichment and extension workshops created and presented by a talented team from G.A.T.E.WAYS. There will be lots of hands-on activities, discovery and fun.

'Myrmecology' presented by Adele Costello

This is the workshop you have been *anticipating!* Join me for a workshop filled with information and colourful *antics*. Dig your way through the nitty-gritty of a day in the life of a Myrmecologist. But what is Myrmecology? Is it the study of *Anteaters*, *Antelope*, the *Antipodes* or the *Antarctic*? No! You may have already guessed that it is, in fact, the study of ants. Did you know that ants are considered the earth's most successful breeding animal or that they are one of the only animals found world wide? There are more than 12,000 species of this little critter and their numbers are such that they alone make up one tenth of the total mass of all animals and humans living in your area! Isn't that *ant-standing!!!* Want to learn more? Strap on your *antennae* and join me for a session of ant exploration, covering everything a myrmecologist needs to know. Watch a real working colony, get an ant's eye view of their professions (yes, that's right, ants all have a specific job to do), their food preferences and even make your own ant. I am *adamant* that you will enjoy this session!

Adele Costello graduated with Honours from Deakin University with a double degree in Education and Arts. Her involvement over the past fifteen years with Tournament of Minds has allowed her to develop a sound base in the application of curriculum, thinking skills and gifted education in schools. Working extensively with primary and secondary students, Adele has a passion for watching gifted students make exciting discoveries.

'Apiology – Bee Amazed' presented by Carolyn Giles

Albert Einstein reportedly said that without bees to pollinate our plants, humans would die off in just 4 years. Our study of Apiology will initiate you into an understanding of honey bees. Often misunderstood, sometimes scary but always busy, bees are crucially important to human survival. Wriggle your way around bee chatter, plan perfect pollination strategies and hone your honey farming techniques as you learn to be as busy and as clever as a honey bee. Have you ever wanted to be involved in a quest to save our planet? Well now is your chance! You can enter the "Create the Perfect Bee Friendly Garden Race" to claim the title of the Ultimate Bee Defender. Change how people view the amazing bee and you may help save our natural food supply.

Carolyn Giles has a gift in presenting meaningful and practical educational workshops in an entertaining style which has ensured her demand as a presenter for both adults and children alike. Her tertiary qualifications in Education have fostered Carolyn's love for the adventure of learning. Her passion for education encompasses a desire to make the learning adventure a journey worth sharing.

'Neo-tropical Ichthyology' presented by Sue Sturges.

We're 'hippo' without the 'opotamus', and 'campus' without any tents!
 We move through the oceans in very strange motions - I hope this is making some sense!
 We're small and we're shy and we're gorgeous, and in seaweed we're usually found.
 We're fish without scales, with prehensile tails, which assist when we're horsing around!
 Our males have a fondness for moonlight - they invite all the females to dance,
 Then impress all the girls with their elegant twirls - we all love a little romance!
 Some cultures believe that our skeletons have powers to cure all their ills –
 We cost quite a lot in an herbalist's shop, where we're ground up and turned into pills!
 If all of this strange information is leaving you somewhat confused,
 And you want to find out what we're REALLY about - come along and we'll keep you amused!

Sue Sturges, with ten years experience as a G.A.T.E.WAYS presenter, continues to build on her repertoire of lively and innovative workshops. She enjoys the challenges involved in staying abreast of social, educational and technological developments in teaching and especially relishes the opportunity to research, prepare and present new topics.



PARENT EXPRESSION OF INTEREST FORM

'Take An Ology!' - Years 1, 2 and 3

Date: Wednesday 31st March Venue: Radford College, Bruce A.C.T Cost incl GST: \$82.50 cheque or \$84.50 credit card

Child's Name: _____ Phone: _____

- ✓ I wish you to register / I do not wish you to register my child for 'Take An Ology!' (Delete as preferred).
 - ✓ I understand that my child does not have a confirmed place until advised by coordinator.
- ✓ On confirmation I will complete an application form and send it with payment to G.A.T.E.WAYS within 7 days

Parent's/Guardian's signature: _____ Date: _____

Please return to the member of staff coordinating the program at your school **BY TOMORROW** as programs fill very quickly.

For further information about G.A.T.E.WAYS please go to www.gateways.edu.au