



# Marine Teachers Association of Queensland Inc.

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# SALTWATER

[www.marineteachers.org.au](http://www.marineteachers.org.au)

**Happy  
New  
Year**

Jan- Feb 2004



[www.mesa.edu.au](http://www.mesa.edu.au)

## MARCH 7 - 14

The theme for Seaweeek 2004 is 'Discover me in the sea'. Are you adventurous? Do you like having fun using the Internet? Of course the answer is Yes!

Hop on board and take part in Seaweeek 2004 to discover the creatures, plants and pollutants in the sea.

**SEE PAGE 2 FOR DETAILS**

## DECEMBER 03 WORKSHOPS

### AMITY POINT MTAQ/AUFQ SNORKELLING WORKSHOP

At last a snorkelling workshop sensitive to the needs of teaching! Maryanne Stacy, the national director of coaching for AUF was imported with her lovely assistant (Mark) and spent an ideal weekend on beautiful Stradbroke Island. Well that was on the tourist brochure, the reality was different. We did our first dive as an introduction at Point lookout. Assessment was non intrusive and turtles and octopus were seen. The afternoon was spent in discussion/lecture over various diving topics. The next morning the weather was as bad as it could get and not be a cyclone. The days activities included a dive at the jetty, which included some rescue activities, and the usual inspection of the Jetty wildlife. The afternoon session was spent on delivery of topics and lots of sharing of experiences. Sunday was a better day and all enjoyed a dive out the front of the wall. All participants enjoyed the activities and frequently commented on how they will do some things differently in future.

Maryanne brings a wealth of diving experience with her, including playing Underwater Hockey, spearfishing, achieving a depth dive of 43m recently in a comp overseas, and expertise developed whilst running large snorkelling groups in South Australia. As a result of the course we should have a few level 2 coaches (Mike and Karen) and a bunch of level 1's. It is hoped that we can reduce the cost of the course in future, even though it was the cheapest one in recent history, and keep our snorkelling retraining in house in future.

The other positive thing being that as long as MTAQ runs AUF courses, AUF will continue to exist and not collapse leaving us with expensive useless pieces of paper. So I'm thinking that the next course will be on the pre conference course in Vanuatu in September. Mmm wonder what the weather gods will send us? See you there!!!!

Bill Fowles AUFQ director of coaching

Level 2 snorkelling coach (Nearly)

Foundation MTAQ member. MST at Deception Bay SHS

Participants were

Lloyd Jones, Mike Halpin, Stuart Russell, Jim Townson, Rob Armstrong, Karen Domotor, Sheree Bell, Paul Hand, Bill Fowles, Peter Watts, Lloyd Rhodes, Mark Cooper, Craig Reid, Peter Slaughter, Maryanne Stacey



*Open Water Snorkel Instructors*

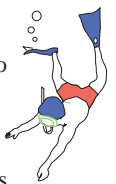


*Junior Marine Studies Syllabus Developers*

### AMITY POINT JUNIOR MARINE WORKSHOP

Workshop number 4 was again a great experience for all who attended with many of the ideas from previous workshops taking shape. Participants were Zoe Hiddins (Kirwan), Kelly Goodingham (Holy Spirit), Adam, Richmond (Clontarf Beach), Bob and Paula Moffatt (Wet Paper) Lloyd Jones (Southern Cross), Mike Halpin (TSS) Stuart Russell and Jim Townson (Southport SHS), Karen Domotor (Pioneer), Rob Armstrong and Sheree Bell (Sunshine Coast SHS) with grateful input from Mark Snartt (QSA).

We have spent the \$6000 now and will have to find the \$3000 for accreditation fees payable to QSA by the end of the year. So get your school Principal to sign up as school membership B and we will have the money after we finish the trial.



## YOU BRANCH REP IS GOING TO HELP YOU GET ON-LINE

Enclosed are your membership details that will be entered onto our web site as well as your password.

Branch reps will then take on a major role in helping you use our new website:

[www.marineteachers.org.au](http://www.marineteachers.org.au)

# SEAWEEK 2004

## MARCH 7 - 14

The theme for Seaweeek 2004 is 'Discover me in the sea'. Are you adventurous? Do you like having fun using the Internet? Of course the answer is Yes! Hop on board and take part in Seaweeek 2004 to discover the creatures, plants and pollutants in the sea.

This website and the new Reef ED website at [www.reefed.edu.au](http://www.reefed.edu.au) will offer a wide range of resources to help teachers and students get involved in Seaweeek 2004.

During Seaweeek MESA is offering schools nationally the opportunity to participate in exciting and innovative interactive marine environmental education programs online!

Schools and students are invited to:

- \* Discover a range of Ocean Celebrities
- \* Investigate harmful marine debris that injures and kills marine vertebrates through entanglement and ingestion
- \* Focus on using information about animals, plants and pollutants in the sea
- \* Use a range of information sources including Web documents, experts available via email, or real time conferencing, searchable databases on the Net, and books physically available at the learner's setting
- \* Win prizes for their efforts!

### ACTIVITIES ON THE MESA WEB SITE

- 1 Get started for Seaweeek 2004
- 2 Harmful Marine Debris
- 3 The EAC (East Australian Current)
- 4 Fish Fact File
- 5 Dugongs
- 6 Ghost Fishing - Reducing the impact of fishing on non target species
- 7 First View - Giant Crab at home on the Slope
- 8 I live in the sea: Turtles the ancient mariners of the sea
- 9 I live in the sea: Sharks & Rays - they're more scared of us!
- 10 Sea stars
- 11 Marine algae
- 12 Sea jellies
- 13 Crustaceans
- 14 Echinoderms
- 15 Marine reptiles
- 16 Fisheries and Aquaculture
- 17 Whales & Dolphins



## UNDERWATER HOCKEY

Bill in his great wisdom invited me to the national titles for a few hours to see his Qld team play and here are a few shots.

If you wanted to do something for beyond level 6 of the new Level 4-6+ CME syllabus or some MAP Snorkelling activities contact Bill Fowles for detail on how to play the game and the types of equipment required.



### 2004 MEMBERSHIP FEES ARE NOW DUE

Your 2004 membership will give you a password which will allow access the curriculum exchange for tests, worksheets, Course outlines .. We have wanted to do this for a long time

Worksheet categories include:

Years 11-12 Marine Studies

- Boating
- Navigation
- Marine communication
- Personal water skills
- Oceanography
- Marine biology
- Managing marine resources.

Years 8-10 Coast and Marine Education

- Safety
- Skills and practices
- Industry
- Admin
- Oceanography
- Ecology
- Conservation

**We have Ministerial approval to do this.**

**Schools so far:**  
Hervey Bay  
Sunshine Coast  
Clontarf Beach  
Mersey College

# YEAR 8-10 2004 CME SYLLABUS TRIAL



- Southport SHS - contact is Stuart Russell
- Holy Spirit Mackay - contact is Kelly Goodingham
- Hervey Bay SHS - contact is Phil Smith
- Clontarf Beach SHS - contact is Adam Richmond



## TRIAL SYLLABUS IS NOW AVAILABLE

- The trial period for the Coast and Marine Education year 8-10 is 12 months and a workshop is to be organised for the state conference on Wednesday 2nd October at Noosa
- Email Bob at [bmoffatt@wetpaper.com.au](mailto:bmoffatt@wetpaper.com.au) and he will email you a copy back of the complete syllabus in word.

## YOUR HOD OR PRINCIPAL HAS A QUESTION

- Queensland Studies Authority and Education Queensland Staff have agreed to answer their concerns or questions
- Email Bob at [bmoffatt@wetpaper.com.au](mailto:bmoffatt@wetpaper.com.au) and he will email you the QSA and Ed Qld contacts

## SCHOOLS INVOLVED IN THE TRIAL

- The following schools have indicated they are willing to trial the syllabus
  - Kirwan - contact is Zoe Hiddins
  - Sunshine Coast - contact is Sheree Bell



## MAJOR FEATURES

- It's engaging and outcomes based.
- You can do 1, 2, 3, 4 or 5 stands or any combination
- You can study it for 1, 2, 3 or 4 semesters
- You don't need any new equipment
- You can do it in conjunction with Science, SOSE, Health and PE or Technology Syllabi
- Assessment of outcomes is on a *You can or You can't* do them basis
- The trial teachers are writing and developing these assessment methods
- Their results will be on our MTAQ Curriculum Exchange asp web data base
- Textbook resources are available

## MAJOR CHALLENGES

- You have to come up to speed with outcomes
- You have to embrace the outcomes approach with all its lingo
- You have to struggle with assessment tasks
  - but there is help and there are examples and brilliant resources

Learning outcomes	
Practices and skills	
<b>Organisers</b> for the learning outcomes in the practices and skills strand are: <ul style="list-style-type: none"> <li>• Safe practices involve an understanding of safe and unsafe situations, behaviours and their consequences.</li> <li>• Matching approved equipment with desired use is necessary to effect skills and practices.</li> <li>• Skills and strategies are required to participate in marine recreational activities.</li> </ul> <b>Content</b> could include <ul style="list-style-type: none"> <li>• Water safety, dangerous marine creatures, first aid, boating, fishing, snorkelling, sailing, canoeing</li> </ul>	
Level 4	Level 5
<b>Level statement</b> <ul style="list-style-type: none"> <li>• Students understand that specific equipment is required for use to perform specific skills.</li> <li>• Students recognise that special skills and qualifications are needed to use that equipment.</li> <li>• Students identify and explain various safe situations and behaviours.</li> </ul>	<b>Level statement</b> <ul style="list-style-type: none"> <li>• Students modify their performance of various skills</li> <li>• Students analyse their choice of equipment and services leading to a community award.</li> <li>• Students demonstrate actions to minimise unsafe situations.</li> </ul>
<b>Central learning outcomes</b> P&S 4.1 Students participate and report on a coast and marine recreational activity	<b>Central learning outcomes</b> P&S 5.1 Students demonstrate specific skills in a coast and marine recreational activity
P&S 4.2 Students compare and contrast a selection of equipment and services to meet their recreational needs.	P&S 5.2 Students analyse factors that influence their selection of equipment and services for an activity
P&S 4.3 Students identify and explain situations and behaviours that are safe or unsafe after assessing personal behaviours and consequences	P&S 5.3 Students demonstrate safe behaviours and actions to minimise unsafe situations
Level 6	Beyond Level 6
<b>Level statement</b> <ul style="list-style-type: none"> <li>• Students evaluate their own and others performances of an activity and design a promotion of an activity.</li> <li>• They plan strategies to ensure everyone can participate in an activity.</li> <li>• They devise strategies to respond to unsafe situations.</li> </ul>	<b>Level statement</b> <ul style="list-style-type: none"> <li>• Students understand how to analyse and evaluate different levels of performance</li> <li>• Students use information on performance to design and implement strategies to improve their own and others performances.</li> <li>• Students determine ways of optimising and enhancing beneficial impacts.</li> </ul>
<b>Central learning outcomes</b> P&S 6.1 Students evaluate their own performance and plan strategies to ensure everyone can participate in an activity.	<b>Supplementary learning outcome</b> P&SS 6.1 Students analyse and evaluate performance skills required to receive a community award P&SS 6.2 Students design a community promotion for an activity based on the equipment and services available P&SS 6.3 Students evaluate strategies for potentially unsafe situations and behaviours in order to optimise benefits.
P&S 6.2 Students use and evaluate a variety of equipment and services for an activity	
P&S 6.3 Students devise and implement personal and community strategies to respond to unsafe situations	

## OK HERE IS AN EXAMPLE:

Year 8, 9 or 10 Water Safety Unit:

Level 4: Marine recreation assignment - set the criteria and mark as normal on *can/can't* do basis.

Level 5: Level 4 abilities + Bronze Star Levels of Water Safety ie safety swims, don PFD, basic entry exit water skills etc on *can/can't* do basis.

Level 6 Level 4 & 5 abilities + leadership skills involving criteria pertaining to assessing taking small group for a swim - see the RLSA for great criteria

## RESOURCES:

- MTAQ Curriculum exchange worksheets from the files on water safety
- Chapters 1-3 An Introduction to Marine Studies + RLSA Water Safety Manual and Video on Resuscitation.
- RLSA Book & video \$48.40

[www.royallifesaving.com.au](http://www.royallifesaving.com.au)



TEL QLD: 07 3823 2823

# THE MTAQ 2004 CURRICULUM EXCHANGE

For financial members who have Emails



## AVAILABLE MARCH 2004

- Over 500 worksheets from teachers involved in the Year 8-10 Syllabus trial
- Worksheet types include tests, tasks, assignments, criteria sheets, information sheets, excursion booklets
- Areas include
  - Admin - course outlines, permission forms etc
  - Safety and skills
  - Industry and aquaculture
  - Ecology
  - Oceanography
  - Conservation
- Features include
  - Database driven from our web site
  - Admin function where we can add or subtract our own worksheets
  - Prepare your lessons from other marine teachers tests, assignments at night from your own computer

No name	Level	Content area	No page	Description	Type	Subject
SOLUNA 1 DOC	Admin	Admin	100 sheets	Introduction - What types of things might you learn about in marine studies?	Student info sheet	Year 8
SOLUNA 2 DOC	Admin	Admin	100 sheets	Overview of the course content forms	Overview to permission forms	Year 8
FEEDING DOC	Admin	Admin	100 sheets	Feeding program permission form	Feeding permission form	Year 8
WATER STUDIES	Admin	Admin	100 sheets	Student Information for Junior Marine Studies	Year 8 Student Information Sheet	Year 8
JUNIOR DOC	Admin	Admin	100 sheets	1 page delivered by the state of QLD - Description of Junior Marine Studies 2004	1st 2nd conference paper	Year 8
JUNIOR 1 DOC	Biology	Admin	100 sheets	Junior Marine Biology Document March 2004 Edition	The Bio Biology Worksheet Pack	Year 8
JUNIOR 2 DOC	Biology	Admin	100 sheets	*** Marine Biology worksheet - shared investigations approach	The Bio Biology worksheet	Year 8
JUNIOR 3 DOC	Biology	Admin	100 sheets	Description of what happens in Junior Marine Studies for years 8 and 9	Junior program description sheet	Year 8
Level 10	Admin	Admin	100 sheets	1st of 2 documents that will not be shared	Excursion form	Year 10
MAKING A COPY	Admin	Admin	100 sheets	1st - Safety, 2nd - Marine Studies, 3rd - Marine Biology, Geography, 4th - 6th and 7th	Workshop outline 1	Year 8
MAKING A COPY	Admin	Admin	100 sheets	1st - Safety, 2nd - Marine, 3rd - Safety, Navigation, Mapmaking, 4th - 6th and 7th	Workshop outline 2	Year 8
3D Coral Polyp Information	Biology	Admin	100 sheets	100 sheets	Coral polyp or for the sheet	Year 8
ADAPTIVE 1 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 2 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 3 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 4 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 5 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 6 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 7 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 8 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 9 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 10 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 11 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 12 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 13 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 14 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 15 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 16 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 17 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 18 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 19 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 20 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
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ADAPTIVE 26 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 27 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 28 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
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ADAPTIVE 32 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 33 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 34 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 35 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 36 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 37 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 38 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 39 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 40 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 41 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 42 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 43 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 44 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 45 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 46 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 47 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 48 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 49 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8
ADAPTIVE 50 DOC	Biology	Admin	100 sheets	100 sheets	Adaptation task	Year 8

### Junior Marine Biology

Sunshine Beach State High

Teacher's name:	Topic:	Subject Code:
	BIOLOGY OF THE CORAL REEF	SCH604 & 6
	Time allowed:	Assignment set by
	Hand out date:	10/04/04
	Hand in date:	16/04/04

#### Biological Structures of the Coral Polyp

1. Your task is to create a 3-dimensional model of the coral polyp using any material (clay, paper, cardboard, paper mache, plastic)

You must:

- Identify and label the anatomical structure of the polyp
- Identify its feeding structure

2. You must hand in a 200-word report (minimum)
















The information you must cover includes:

- Feeding and digestive systems
- Physical features
- Genetic inheritance

## AVAILABLE MARCH 2005

- Senior Marine Studies worksheets
- Sample workprograms that have been accredited
- Sample tasks that meet QSA standards
- Allows you to see what panel moderators think are correct standards and panel members to showcase their own work

Example of a curric X document by Sheree Bell

<p><b>PRESIDENT</b> Lloyd Jones Southern Cross College 07 3880 0833</p> 	<p><b>VICE PRESIDENT AND TOWNSVILLE REP</b> Ward Nicholas Heatley Secondary College 07 4726 8333</p> 	<p><b>SECRETARY</b> Kathy Steggle Whitsunday Anglican School 07 4969 2003</p> 	<p><b>TREASURER &amp; OFFICE</b> Tina Kay Heatley Secondary College 07 4726 8333</p> 	<p><b>CONFERENCE CONVENORS</b> Jim Kneale and Mark Cooper Noosa SHS 07 5447 6622</p> 
<p><b>PUBLICITY OFFICER</b> Simone Baker Holy Spirit College 07 4942 2088</p> 	<p><b>NEWSLETTER</b> Bob Moffatt Wet Paper Publications 07 5525 6122</p> 	<p><b>CAIRNS AND FAR NORTH QLD</b> David Beasley Cooktown State High School 07 4082 0222</p> 	<p><b>MACKAY</b> Bill Rankine Mackay SHS 07 4957 9179</p> 	<p><b>ROCKHAMPTON AND DISTRICT</b> Rebecca Ballinger Rockhampton Grammar 07 4936 0600</p> 
<p><b>WIDE BAY</b> Greg Lynch Frazer Coast AGS 07 4124 5411</p> 	<p><b>SUNSHINE COAST</b> Sheree Bell Sunshine Beach SHS 07 5440 4222</p> 	<p><b>BRISBANE NORTH</b> Peter Slaughter Southern Cross College 07 3880 0833</p> 	<p><b>BRISBANE SOUTH</b> Annette Window Victoria Point SHS 07 3207 8678</p> 	<p><b>GOLD COAST</b> Mike Halpin The Southport School 07 5531 9911</p> 

# APPLICATION FOR 2004 MTAQ MEMBERSHIP

## TAX INVOICE

ABN 70 652 509 393



Name \_\_\_\_\_

Email \_\_\_\_\_ (essential to access the our curriculum exchange)

School/Organisation \_\_\_\_\_

\_\_\_\_\_ Code \_\_\_\_\_

School Telephone \_\_\_\_\_ School fax: \_\_\_\_\_

Private address (optional)  
\_\_\_\_\_ Code \_\_\_\_\_

Please indicate where you want newsletters to go to: School address [ ] Private address [ ]

## MEMBERSHIP TYPE

## SCHOOL MEMBERS DETAILS

ALL FEES INCLUDE GST

Ordinary***	[ ]	\$55	Name _____	Email _____
Associate***	[ ]	\$55	Name _____	Email _____
School membership A**	[ ]	\$66	Name _____	Email _____
School membership B*	[ ]	\$132	Name _____	Email _____
Tick if renewal	[ ]		Name _____	Email _____
Joined at conference	[ ]		Name _____	Email _____
New member	[ ]		Name _____	Email _____

\*\*\* Includes gst of \$5  
\*\* Includes gst of \$6  
\* Includes gst of \$12

### IF NEW MEMBER:

Nominated by \_\_\_\_\_ School/Organisation \_\_\_\_\_

If application successful I agree to abide by the rules of the association

Signature \_\_\_\_\_ Date \_\_\_\_\_

Please post this form with membership fee to:

Treasurer MTAQ

Heatley Secondary College

PO Box 64 Aitkenvale 4814

Please make cheques payable MTAQ

Telephone: 4726 8333

Note:

School Membership A

Available to schools who only have 2 teachers at their school. Members are able to take advantage of ordinary member opportunities.

School membership B

This allows 3 marine teachers + their Principal or Snr Admin Staff to take advantage of ordinary member opportunities.