EEI Contributions from Workshop attendees

- These EEI topics and designs are being made available so you can share ideas and mentor one another in your EEI development and implementation.
- It is your responsibility as a professional teacher to make sure your EEI offerings remain within the syllabus specifications.
- The task must allow students to satisfy the QSA’s requirements for the course in question – you should take this into account when determining how the task will be designed and assessed.
- The task must also acceptably pass through the moderation and verification processes for EEIs.
- These ideas and protocols have not been developed or endorsed by UQ.
- Inclusion of the offering in this directory does not mean that the EEI satisfies the requirements of QSA. Please only use these protocols and EEIs after you have established they are appropriate for the use you intend.
- A general listserv for EEI suggestions, discussions, and debates can be found here: http://discussions.eq.edu.au/listserv/subscribe.html.
  You can choose to subscribe to the Biology Teachers and/or Chemistry Syllabus feeds. Both feeds have a lot of discussion about EEIs and their implementation.

Chemistry EEIs from Workshop attendees

The name of your EEI: Yr 12 - Electrochemistry with a focus on factors affecting electroplating
A short description of what the students do
Are you interested in advising others who would like to run this EEI in their classrooms? yes
Email: ncana5@eq.edu.au
Phone: 3452 5333
Given Name: Nicolette
Family Name: Canal
Educational Institution: Mansfield State High School
Position: Chemistry teacher
Mobile Phone: +400268481

The name of your EEI: Year 11 - Volumetric analysis of vitamin C in fruits
Are you interested in advising others who would like to run this EEI in their classrooms? yes
Email: ncana5@eq.edu.au
Phone: 3452 5333
Given Name: Nicolette
Family Name: Canal
Educational Institution: Mansfield State High School
Position: Chemistry teacher
Mobile Phone: +400268481
Biology EEIs from Workshop attendees

**The name of your EEI:** The effect of clove oil on Penicillium chrysogenum

**A short description of what the students do:** Inoculate agar plates with Penicillium chrysogenum and place filter paper discs that have been soaked in different concentrations of clove oil / clove oil from different parts of the plant onto the plate to see which concentration is the optimum for inhibition of growth of the mould.

**Are you interested in advising others who would like to run this EEI in their classrooms?** yes

**Email:** ldowns@redlands.qld.edu.au
**Phone:** 32860222
**Given Name:** Lauren
**Family Name:** Downs
**Educational Institution:** Redlands College
**Position:** Teacher

**The name of your EEI:** Plant Transpiration

**A short description of what the students do:** Students design and carry out experiments looking at one factor (independent variable) and how it affects rate of transpiration.

**Do you have implementation protocols that you are able to share?** Students usually look at either collecting water lost using plastic bags over leaves, or potometer or sealed measuring cylinder to follow water uptake, but method is students own design, so can vary. Fig shoots work well.

**Are you interested in advising others who would like to run this EEI in their classrooms?** yes

**Comments:** We use for year 10 students as a practise for skills in writing an EEI report.

**Email:** kkirk@somerville.qld.edu.au
**Phone:** (07) 3248 9283
**Given Name:** Karen
**Family Name:** Kirk
**Educational Institution:** Somerville House
**Position:** Teacher

**The name of your EEI:** The effectiveness of sanitisers on inhibiting bacterial growth

**A short description of what the students do:** Students use various sanitisers on agar plates to measure the inhibition zone of bacterial growth. To extend some will use natural products e.g. Tea tree oil etc vs store bought products. OR compare different strains of bacteria. There is a lot of variation that can be done.

**Are you interested in advising others who would like to run this EEI in their classrooms?** yes

**Email:** kristina.baker@marymount.qld.edu.au
**Phone:** 55861000
**Given Name:** Kristina
**Family Name:** Baker
**Educational Institution:** Marymount College
**Position:** Science/Biology Teacher
**Mobile Phone:** +402973423