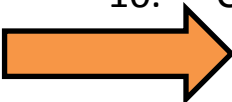


Tentative Projects 2017-18

1. DNA threats
2. Green chemistry
3. Make an ecosystem
4. Watershed biodiversity
5. Forensic science: *Who is your daddy?*
6. Phytoremediation
7. Bacteria: The powerhouse of human development?
8. Nanomaterials: Can small scale chemistry solve large scale problems?
9. Microbial electrochemical cells: Turning wastewater into energy and fuel
10. Other ideas?

Complete experience:

Hands-on activity to design
Poster to build
Video experience
Handout for kids
ScienceRendezVous opportunity !!



To seek more information or to apply for this Alternative Practicum Opportunity, please submit a cover letter stating why this position is of interest to you and a recent resume to the community.outreach@queensu.ca



Dr. Jennifer Scott
Inorganic Chemistry



Dr. Barbara Zeeb
Environmental Sciences and Biotechnology



Dr. Kela Weber
Environmental Engineering



Dr. Emily Corcoran
Nuclear Engineering

Pair up with one of our mentors!

Phytotechnology

Phytotechnology = the use of plants & plant-based mechanisms to solve environmental problems. The phytotechnologies laboratory at RMC specializes in applying plant-based to remediate contaminated sites. Using vascular plants, contaminants found in soil and water can be extracted, degraded, immobilized, and/or volatilized.



Mechanisms of phytoremediation for remediating contaminated sites

We are seeking a Practicum Student to work in collaboration with Dr. Barb Zeeb (zeeb-b@rmc.ca) and her graduate students to:

- Research and design an innovative & interactive activity that we can use at this year's Science Rendezvous Kingston
- Create a poster depicting the many facets of phytotechnologies
- Plan and produce a short video showcasing the work of current graduate students
- Create an educational handout for kids and adults alike