



Arthur B. McDonald
Canadian Astroparticle Physics Research Institute

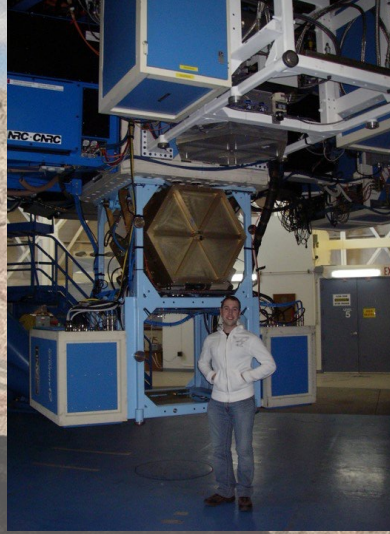


Education & Public Outreach

Past & Future

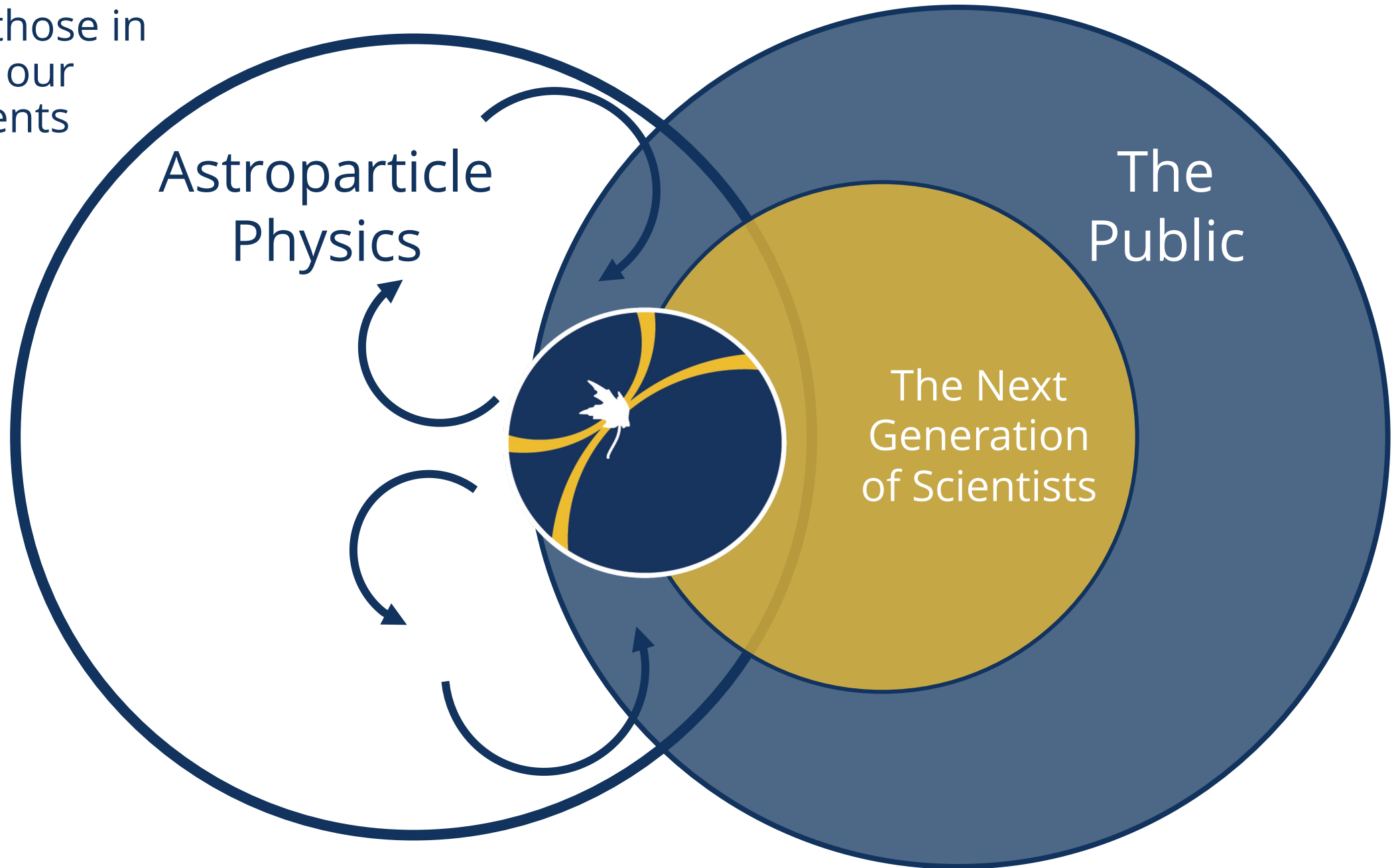
Mark Richardson
Manager for Education & Public Outreach

Dr. Mark Richardson (he/him)



- Settler from Halifax (Eski'kewaq district of the Mi'kmaq), and all my family is there. Studied Astrophysics at Saint Mary's University in Halifax.
- PhD at Arizona State 2009-2014.
- Had research positions at Oxford and the AMNH in NYC before joining Queen's in 2018.
- I am Manager for Education & Public Outreach Officer.
- My job relies on connecting you with the public.

- Including those in Canada in our achievements



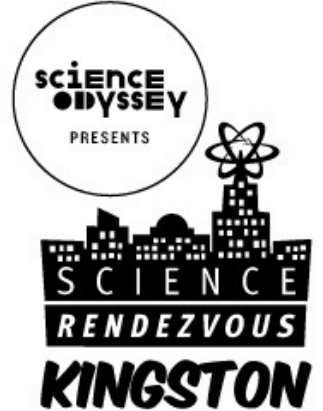
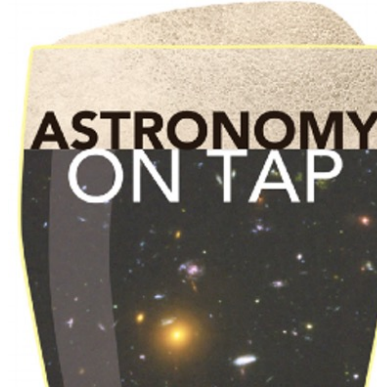
Our approach: Relationship building



Working with partners with established expertise



AGNES
ETHERINGTON
ART CENTRE
AT QUEEN'S



aboriginal access
to engineering



Limestone
DISTRICT SCHOOL BOARD



let's talk
science



Information inspiring imagination
KINGSTON
FRONTENAC
PUBLIC LIBRARY
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astrobites

THE ASTRO-PH READER'S DIGEST | SUPPORTED BY THE AAS

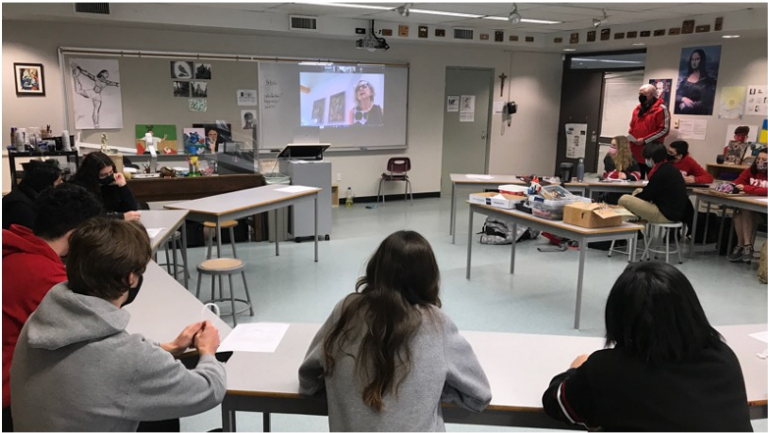
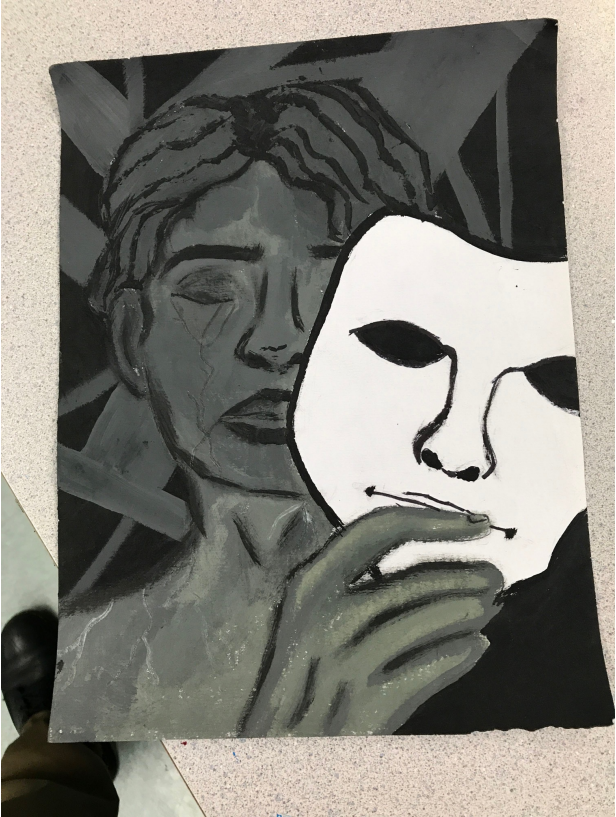


TELUS
Spark*
THE NEW SCIENCE CENTRE

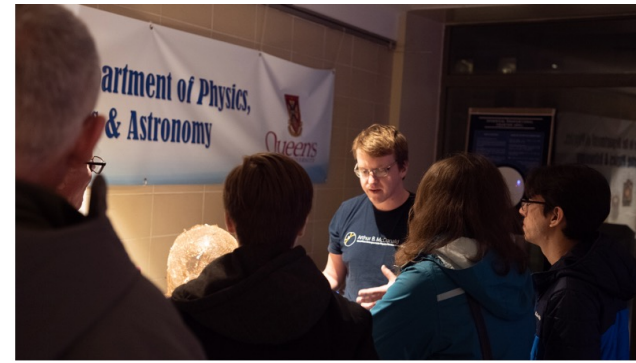


ST. THOMAS MORE COLLEGIATE
HOME OF THE KNIGHTS SINCE 1960

Relationships have taken time, but lead to organic, broader reach



Outreach incorporates our highly qualified personnel.



Provides them communication experience and training

Giving a Public Science Talk:

A Crash Course to improve your public speaking

Compiled by:
[Zachary Kenny](#),

Communications Officer,

[Arthur B. McDonald Canadian Astroparticle Physics Research Institute.](#)

And we have other programs training them in science as well.



Successes

- Huge community engagement. The McDonald Institute is becoming a known entity ... in Kingston.
- Through virtual tools, able to connect with other communities for hybrid events (Drift, DMD), and bring in students from other communities to our events and programs. We are getting some international household recognition.

Obstacles

- Challenges in supporting making the McDonald Institute a known name beyond Kingston in Canada.
- Challenges sharing our lessons learned and being a resource for our community.
- Challenges in getting HQP engaged while balancing their own research and training.

To the future: 2024 - 2029

Through Education

- More teacher resources via teacher in residence, expanding/developing education resources, and teacher workshops that will grow a teacher network.
- Work with existing partner education frameworks (e.g., Perimeter).
- More classroom engagement through various provincial and board groups.

Public Outreach

- Offering support to partner institutes to run local outreach events
- Partner for joint outreach events.
- Offer financial support to run barrier-free outreach events across Canada in APP.

Visitor Centre

- Adding new interactive exhibits.
- Updating content, representing new experiments (nEXO, SBC, P-ONE, etc.) and theory.
- Showcase more of our community, our stories, and our interests.
- Other ideas?



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Canada's Astroparticle Physics Network