

Awe of the Universe

Eamonn Ansbro



Awe is felt when our mind begins to comprehend something that we did not comprehend before.

When **Awe** is triggered provides the opportunity to amazing realms



Amazing Astronomy
Programme Initiative'

Owning the telescope requires immersion

The main key tool in remote observing is the telescope. The telescope although remote from the classroom should be presented as not just a tool to request images, but an integral experience of using the telescope that feels it's fun to use, so the student is fully immersed. This approach is different from the conventions in protocols for remote observing.



Technology and Vision

The use of recent vision technology significantly provides a reality that is not provided in conventional remote observing. Multiple cameras achieve this goal. Motion detection synchronises the camera with the telescope movement, has the visual front view of the scene. This provides the special, emotional aspects providing “spatial” experience similar to real world experience and therefore a spatial cognitive experience. This leads to more excitement because of initiating this awe.



Connectivity and authentic inquiry

- Projects of interest can be adaptable with hands-on activities focusing on concepts in astronomy, digital imaging, light & colour, etc.
- These elements are designed to support authentic inquiry: e.g. requesting images with robotic telescopes; using image processing software to enhance and make measurements of images; asking questions; connecting science to everyday life.



Conclusion

1. Instilling AWE
2. Owning the telescope requires immersion
3. Technology and Vision
4. Connectivity and Authentic inquiry.

