Antarctic Infrastructure Modernisation Programme – British Science Week (BSW) 8-14 March

The below are suggested resources for teachers to use to plan a lesson on STEM careers and working in extreme environments, such as Antarctica.

Please note that the associated worksheets were created for a Primary School audience.

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| STEM activity | Collateral |
| Prep work - students | Watch:   * [Rothera end of 2020 season video](https://www.youtube.com/watch?v=EAYd5OQOooc) * [King Edward Point end of 2020 season video](https://www.youtube.com/watch?v=5xAEVHy-1jM) * [B1M video - The World's Most Extreme Construction Site](https://www.youtube.com/watch?v=U1HhcXjAkRc)   Read:   * [Billy Thursfield’s blog](https://www.bamnuttall.co.uk/news/antarctica-blog/) – BAM Nuttall’s Sub-Agent working in Antarctica * [Chris Lloyd’s blog](https://www.bas.ac.uk/blogpost/journey-to-antarctica-during-the-covid-19-pandemic/) – Ramboll’s Site Supervisor |
| Support for teachers | Antarctic Infrastructure Modernisation overview   * [British Antarctic Survey](https://www.bas.ac.uk/blogpost/journey-to-antarctica-during-the-covid-19-pandemic/) * [BAM Nuttall](https://www.bamnuttall.co.uk/case-study/aimp/) * [Ramboll UK](https://uk.ramboll.com/) * [Sweco UK](https://www.sweco.co.uk/) |
| Live link to Antarctica and UK | Five/six interviews with scientists, engineers and construction workers:   1. Name and job – describe what they do 2. What I was like as a child/teenager and what I enjoyed doing 3. Highlight of my career 4. How it’s different living and working in Antarctica / supporting a project on the other side of the world   Q&A with students |
| STEM activity | Worksheet for classes to complete and return:   * What interests do you, or your friends and classmates, have which mean you might enjoy a career as a scientist; and engineer; a construction worker? * What would you enjoy most about working and living in Antarctica? What would you write about in your blog? * You only have XXkg of luggage to take to Antarctic – including your clothes and washbag. Remembering there’s limited internet connection, what would you pack to keep yourself entertained – how much does it weigh? |