

Technology and innovation in weather

**Deeper discovery**

P4C questions and stimuli

Pick one stimulus from the table below and pose the related questions to your group.

More guidance on how to deliver a P4C lesson can be found in the supporting P4C teacher guide.

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| **Stimulus 1** | **Stimulus 2** | **Stimulus 3** |
| A film from the BBC: [**40 years since weather**](https://www.youtube.com/watch?v=crijZZJLwTk&t=74s)[**symbols were introduced**](https://www.youtube.com/watch?v=crijZZJLwTk&t=74s) | An infographic from the Met Office:  [**Supercomputer 2022+**](https://www.metoffice.gov.uk/binaries/content/assets/metofficegovuk/pdf/about-us/what-we-do/01202-supercomputer-benefits-tiles-v8.pdf) | A film from the BBC: [**Four ways AI can help tackle**](https://www.youtube.com/watch?v=mvUPj2WbuKc)[**climate change**](https://www.youtube.com/watch?v=mvUPj2WbuKc) |
| **What if** you could invent some new weather symbols? What would they be? | **What if** you had to present a weather forecast in the future? What might that look like? | **What if** you had to present a weather forecast in the future? What might that look like? |
| **How do you feel** when you see weather forecasts from the past? | **How do you feel** to hear about the Met Office supercomputer? | **How do you feel** when there is new technology? |
| **Big question:** Do technology and innovation always improve a situation? | **Big question:** Should people react badly when computers get things wrong? | **Big question:** Do technology and innovation always improve a situation? |