

How has new technology changed exploration?

As new technologies have emerged through scientific discovery, more advanced equipment has entered the field to overcome risks and inconveniences associated with exploration. Listen to the following explorers as they describe the technology they use in the field. What specific tech do they use, and what problems does it solve?

| Explorer | What technology do they use? | What problems does this tech solve? |
|---|------------------------------|-------------------------------------|
| Arctic Sea Floor Explorer Rob Reves-Sohn | | |
| Antarctic Volcanologist Kayla Iacovino | | |
| Polar Explorer John Houston | | |
| Ocean Explorer Bob Ballard | | |
| Ocean Explorer Sylvia Earle | | |

Name _____

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What technology would you bring?

The consequences of being poorly prepared in the field can be disastrous. Many famous exploratory expeditions, such as Colonel Percy Fawcett's last journey into the Amazon, perished without a trace. As David Grann describes in his book *The Lost City of Z*, even Fawcett's successful trips into the Amazon left many of his traveling companions lost, suffering, or dead from disease, starvation, and violence. If they had been traveling with today's technology, perhaps their fates would have been different.

If you were to plan your own expedition, where would you go, and what one piece of technology would you bring? What problems would your chosen technology solve? In your response, describe how the environment and risks associated with your chosen destination factored into your decision.