

17 Picturing Heat

Engineers use all sorts of tools and gadgets to monitor and take care of machines and buildings. One such gadget is a thermal camera, which takes a photo of how hot the things in front of it are.

YOUR CHALLENGE: Can you colour in the image below as though it was a photo taken using a thermal camera? Use the colour code provided so you can check it against the actual photo from the thermal camera on the Resonate Activity Book webpage.



Colour Code: Dark Blue = 15°C to 22°C
Purple = 23°C to 29°C
Red = 30°C to 59°C
Yellow = Over 60°C

- ① Docking station
- ② Laptop charger



Oksana works in the School of Engineering where she develops new ultrasound testing methods and sensors for use on pipes, rails, airplanes and buildings. This is a low cost way to keep an eye on these items, it helps people find small cracks or things like rust and corrosion.

Oksana's work is helping to make sure the world around us is safe for us to use and that we can find the small problems and fix them, before they become big problems!