

TIM PEAKE'S SPACE SUIT

The ultimate onesie!

principia
MISSION
**SPACE
DIARY**





Tim wore a Russian Sokol space suit designed especially for travelling to and from the International Space Station in a Soyuz spacecraft.

Can you guess what some of those valves and features do?

Photo: ESA/NASA



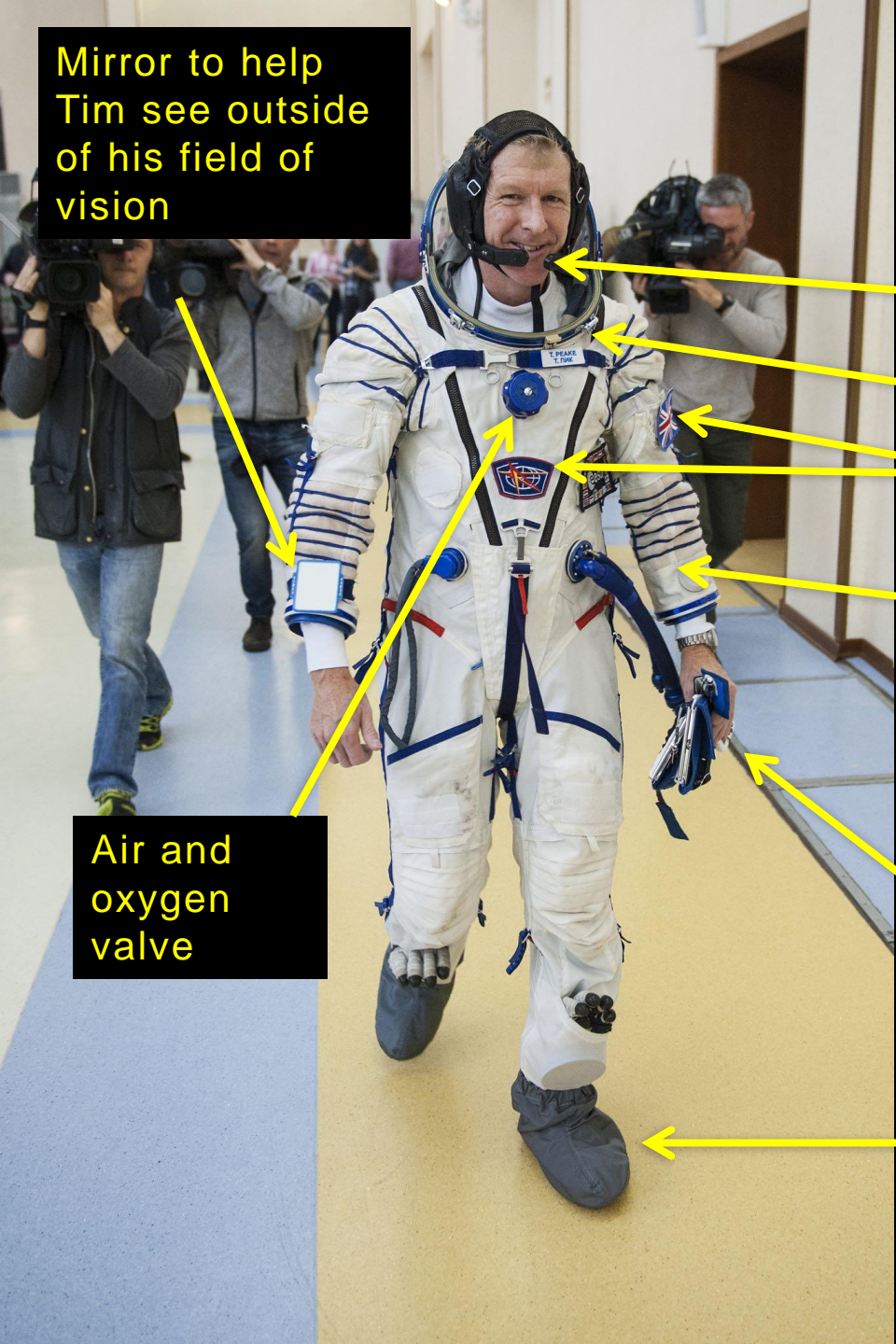
Tim and his fellow astronauts had to sit in this cramped position inside the Soyuz spacecraft. The Sokol suit is designed especially for this. *Photo: ESA/NASA*

This is Tim doing a test run inside a replica Soyuz capsule. Look how squashed he is! Can you imagine sitting like that for hours and hours? *Photo: ESA/NASA*



Mirror to help Tim see outside of his field of vision

Special features of the Sokol space suit



Microphone for communicating

Helmet (attaches here)

Mission patches

Gauge to monitor pressure within the suit. Tim has a pressure layer on underneath the suit.

Removable gloves

Built-in boots

Air and oxygen valve

Photo: ESA/NASA

Challenge Questions:

“Sokol” is a Russian word. Can you find out what it means?

Why does the Sokol suit need an inner pressure layer?

If something goes wrong, what can the Sokol suit do to protect astronauts?

What is an EVA suit and how is it different to this one?
Can you make your own presentation about the EVA suit Tim wore on his mission?