

What did we make?

Minibeast Heroes is a series of short, animated explainers for lower primary school students about insects and their role in the environment.

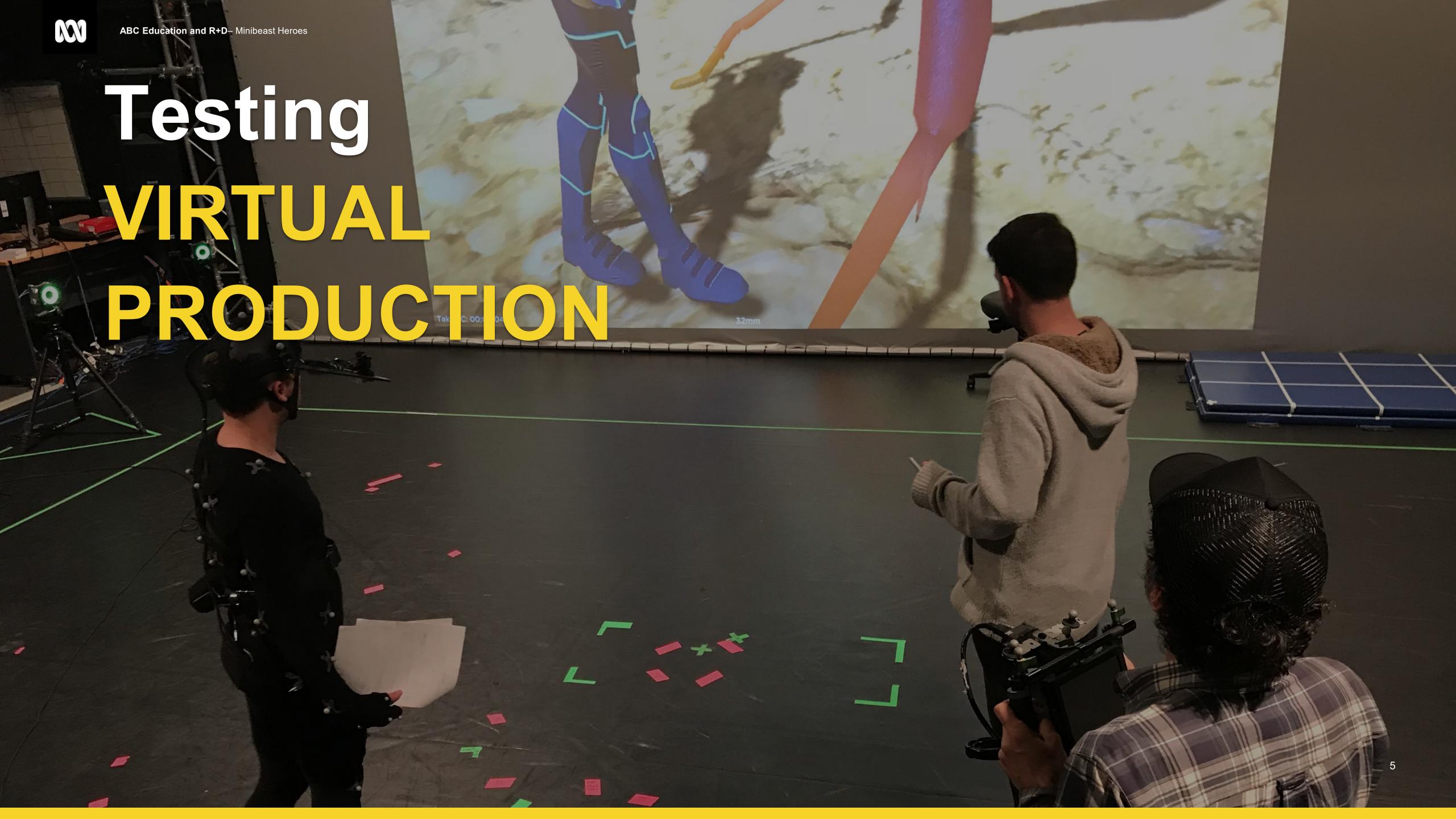
Produced by ABC Research & Development with ABC Education, the project was created **using emerging visual production tools**, and delivered multiple content outputs for a range of digital platforms.

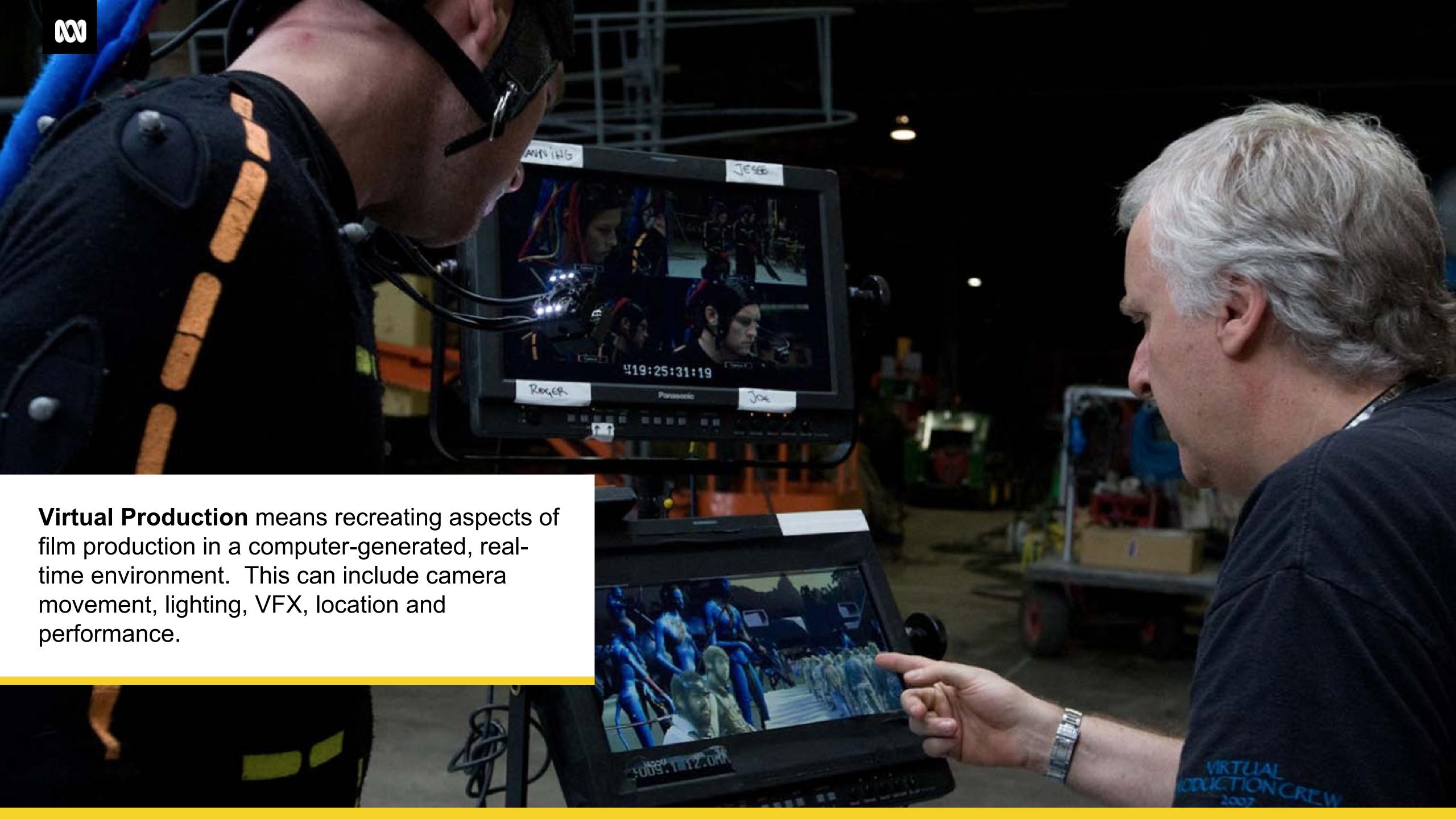


Production output = multiple deliverables + destinations

Animation explainer videos	HTML5 Rotatable bugs (for desktop + mobile)	Teacher toolkits (inc. ABC Archives content)	'Making of' video	360 video teaser	Room-scale VR for public spaces	AR experiments
x 6 episodes (2 min 30 secs each) x 1 supercut (15 mins)	x 3	x 6	x 1	x 1	x 1	x 2
Education	Education	Education	Education	Education	AUSTRALIAN MUSEUM	WR+D
WR+D	W Science	W Science	W Science	W Science	AUSTRALIAN MUSEUM	DAL DEAKIN MOTION.LAB CENTRE FOR CREATIVE ARTS RESEARCH
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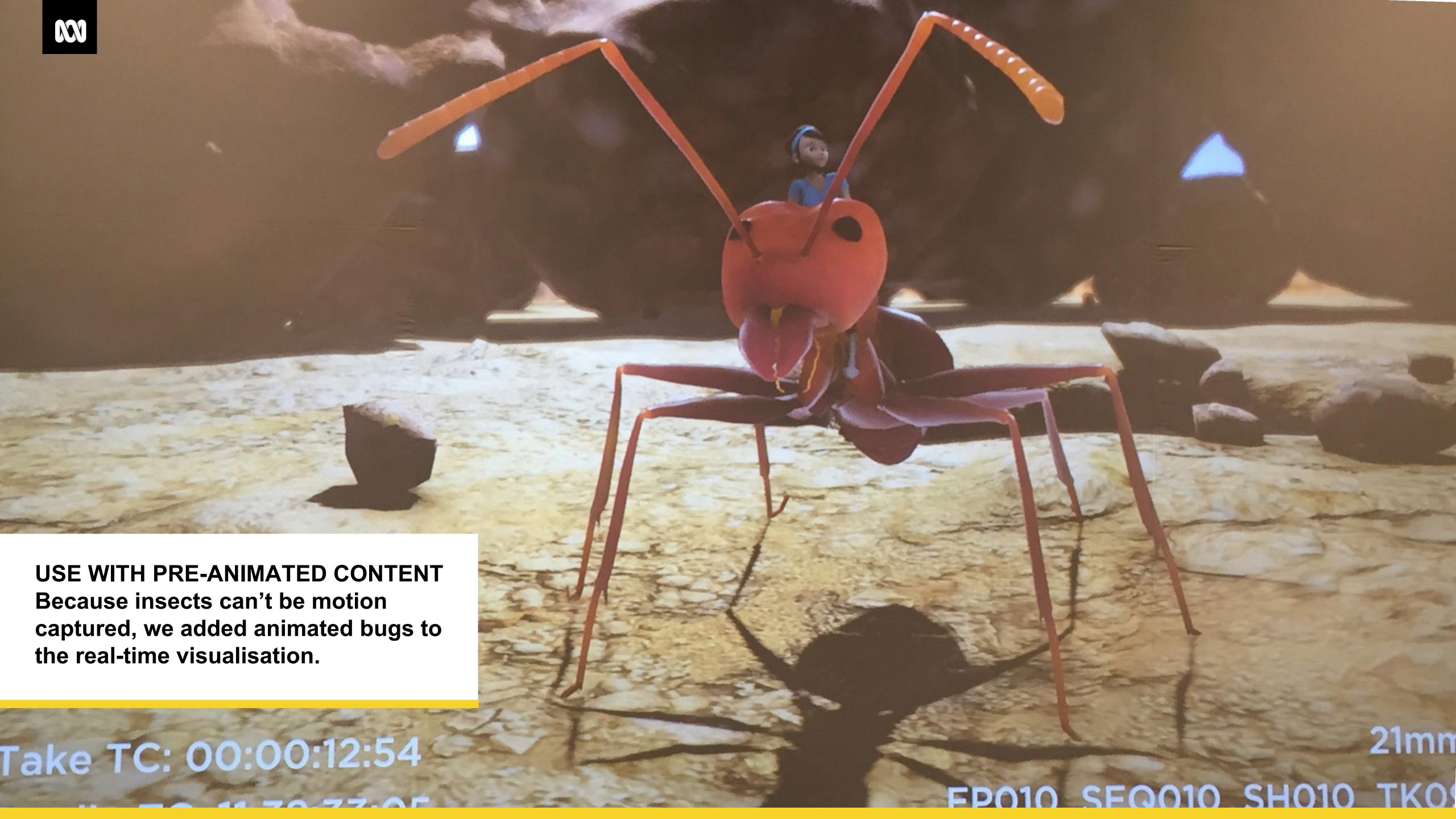










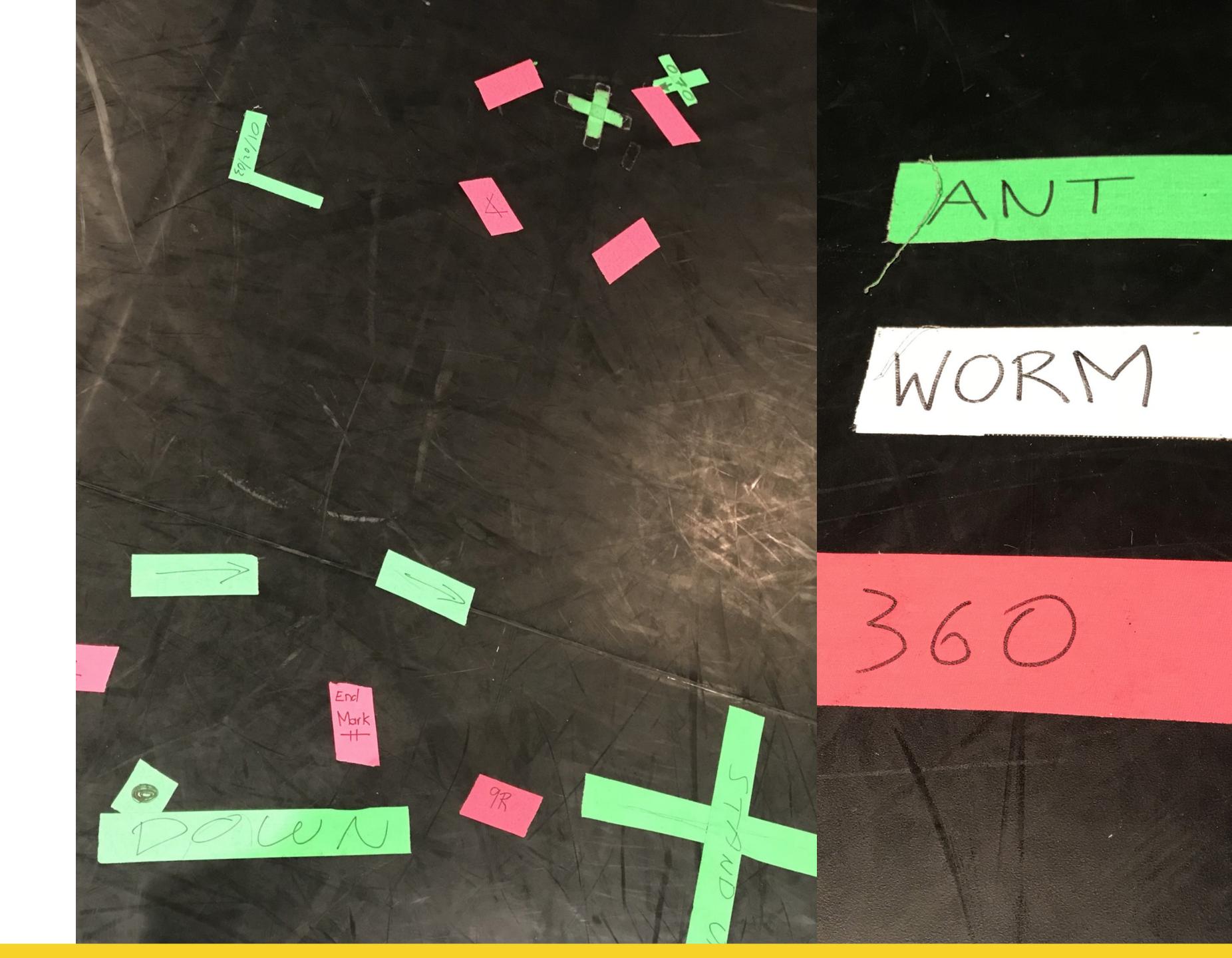


TOP TAKEAWAYS

CREATIVE FREEDOM

Storytelling is spatial — your 3D environments will be created to work in the game engine in 360 degrees.

You have the option to map out the performance in the studio with floor maps, and then create a shot list.

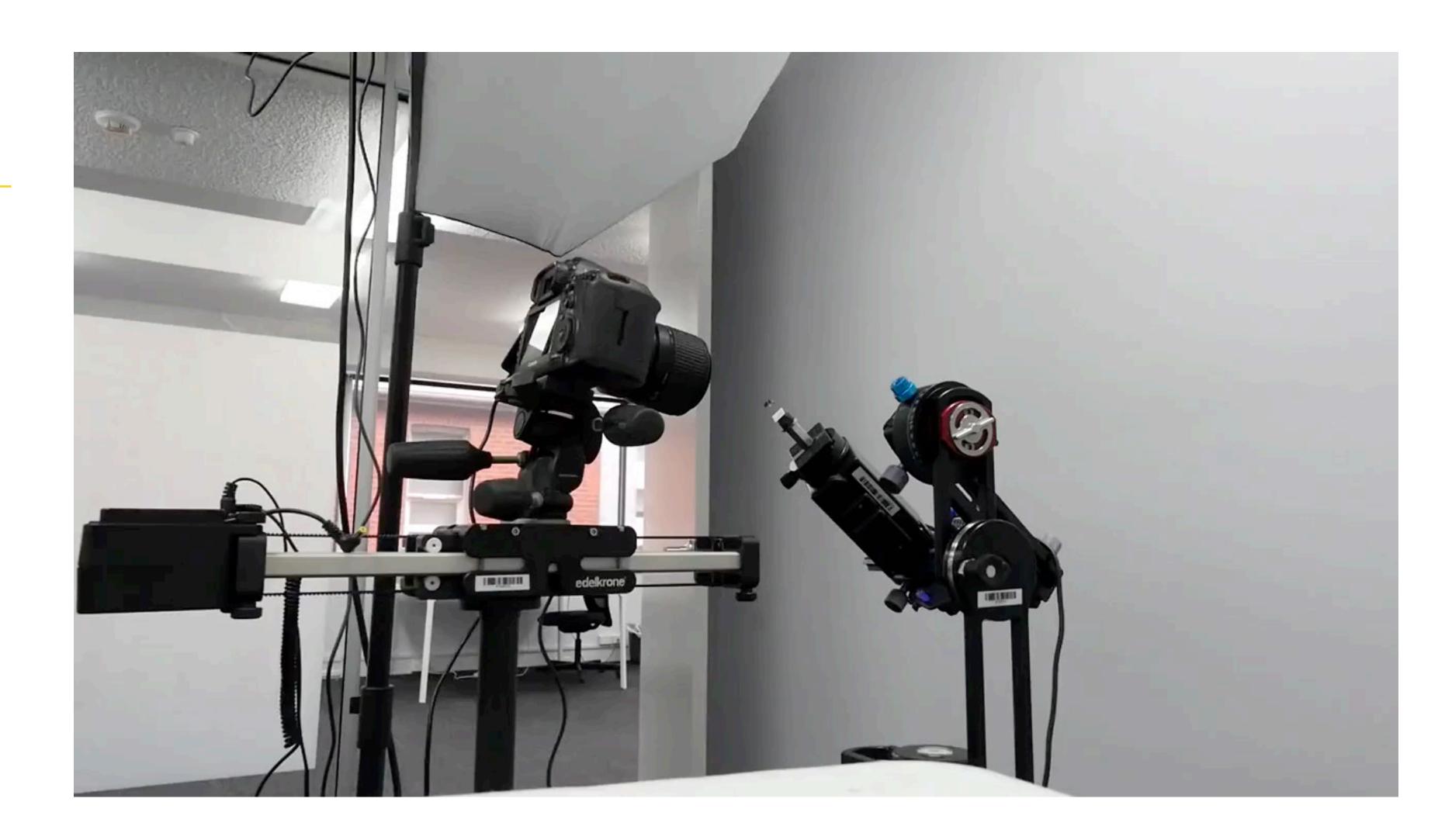




WHAT WE DID

We sourced insects for us and then took over 8000 macro photographs of each one from every angle.

Next, they tried using photogrammetry software to generate 3D models of the bugs.







Macro photos of our original European Honey Bee

The photogrammetry software worked better for some bugs than others (the shiny ones worked best!)





Blue Banded Bee (smooth fur, not fluffy)

European Honey Bee (very furry = nightmare!)



THINGS PHOTOGRAMMETRY IS GREAT FOR

REALISM

It copies real things. It's especially good for objects with hard, shiny surfaces.

It's also great for creating realistic 3D environments for immersive experiences.











Skills and Knowledge in an age of STEM and a 'New Work Reality'.

Report: FYA, The New Work Reality

The New Work Reality Full-time work Full-time work is increasingly precarious and difficult to attain. 1 full-time job Accelerating factors to gaining full-time work Multiple jobs Casual full-time employment **Building enterprise** skills in education 17 months faster **Relevant paid** employment </>> 12 months faster Paid employment in future focussed clusters 5 months faster An optimistic mindset** 2 months faster **The Carers** The Informers **The Technologists** Source: FYA, The New Work Reality, https://www.fya.org.au/wpcontent/uploads/2018/06/FYA_TheNewWorkReality_sml.pdf



To ensure young Australians are prepared and equipped with the skills and capabilities required to successfully navigate their futures there is an urgent need to:

Encourage young people to choose pathways that will equip them with enterprise skills that are portable to many jobs in their future which are key to successful transitions

What are 'Enterprise Skills'?

Glossary



Enterprise skills - Enterprise skills are transferable skills such as problem solving, communication, teamwork, and creativity.



Technical skills - Technical skills are often specific to a particular task, role or industry and can include qualifications such as licenses or certifications.



A Challenge: 'soft' skills cannot be developed without content knowledge









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Too much talk not enough content

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Saturday 28 July 2018 7:40AM (view full episode)

Australia's chief scientist Dr Alan Finkel argues the case for teaching content over life skills.

He says there's an imbalance in the education system that's weighted towards the softer skills and it's failing to equip our students for the twenty-first century.

The risk, he says, is a workforce that talks more but knows less.



IMAGE: A CLASS IN ARTIFICIAL INTELLIGENCE, TECHNOLOGY AND INNOVATION BEING HELD IN A SCHOOL SCIENCE LABORATORY. (GETTY IMAGES)



Saturdays 7.30am Repeated: Monday 7.30pm with Extra

Presented by Geraldine Doogue

IN THIS PROGRAM

Nicaragua crisis; Alan Finkel on education; Media merger and Macquarie Bank leader change; A Foreign Affair; How to plan a 'good death' - Saturday 28 July 2018

Listen



Nicaragua in crisis



Work & careers aside, what would we hope all citizens of the world should be able to do?

Literate and numerate so that everyone has an opportunity to participate and understand life in everyday society, wherever that may be.

Citizens who can make informed decisions for themselves using critical skills of analysis.

Citizens to be active, critical thinkers, readers and consumers of media and information made available to them in this information saturated world.



Thank you.

W Education

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