

First Kids in Space

Projects for kids (and their grown-ups) to boost success in Space Education



Jonathan Nalder, the Edunaut
Edunauts.net



ME AND SPACE EDUCATION

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- 1993** Commercial Pilot
- 2001** Theatre & Drama Teacher
- 2005** Learning Difficulties Teacher
- 2017** First Kids on Mars program
- 2020** Space 2101 with Astronauts
- 2022** Teacher Crew 270 at Mars Desert Research Station
- 2023** Mars Society Ambassador
- 2024** • My first Mars Society & Space Education conferences
 - Supporting Robinson Aerospace cube satellite for schools
 - First Kids in Space projects



Also now Project Manager for ICT Gateway to Industry Schools Project, Queensland, Australia with Australian Computer Society.

OVERVIEW

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to boost success in Space Education

1. **What is an Edunaut?**
2. **Intro - 'Play' boosted learning**
3. **First Kids in Space project**
4. **But wait, can you handle more project ideas?**



1. What is an Edunaut?

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Anyone who dreams of launching higher to see further.

Anyone who dares to escape the gravity of how they have 'done' learning before.

Anyone who works or trains for Space, and uses what they learn to make a better Earth.

I just want to connect with and support all of the above.

Join in at the home for such projects: [Edunauts.net](https://edunauts.net)

2. PLAY

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All learning starts with a sense of play...

- Props • Role play games • Hands-on



2. MARS DIRT/SOIL/REGOLITH



Hands-on with simulated Mars regolith

Students examine then extrapolate what they find with how such fine dust will impact life on Mars for humans.





3. FIRST KIDS IN SPACE PROJECTS

FirstKidsInSpace.info



FOR KIDS WHO ♥ SPACE:
SHARE YOUR DREAMS VIA
#CitizenScience

FIRSTKIDSINSPACE.INFO

+ New Observation

#EDUNAUTS

Citizen Science to collect kids ideas and dreams

FirstKidsInSpace.info

DIRECT LINK:
anecdata.org/projects/view/1356

+ New Observation



3. FIRST KIDS IN SPACE PROJECTS

FirstKidsInSpace.info



**IS THIS
YOUR
KID?**



Grab a free
'what I need to know about
Space' book for the 5 to 12
year olds in your life at:

FIRSTKIDSINSPACE.INFO

#EDUNAUTS

**Free book to share what kids
need to know for a future space
career:**

FirstKidsInSpace.info

- Read online
- Download PDF
- Kindle option

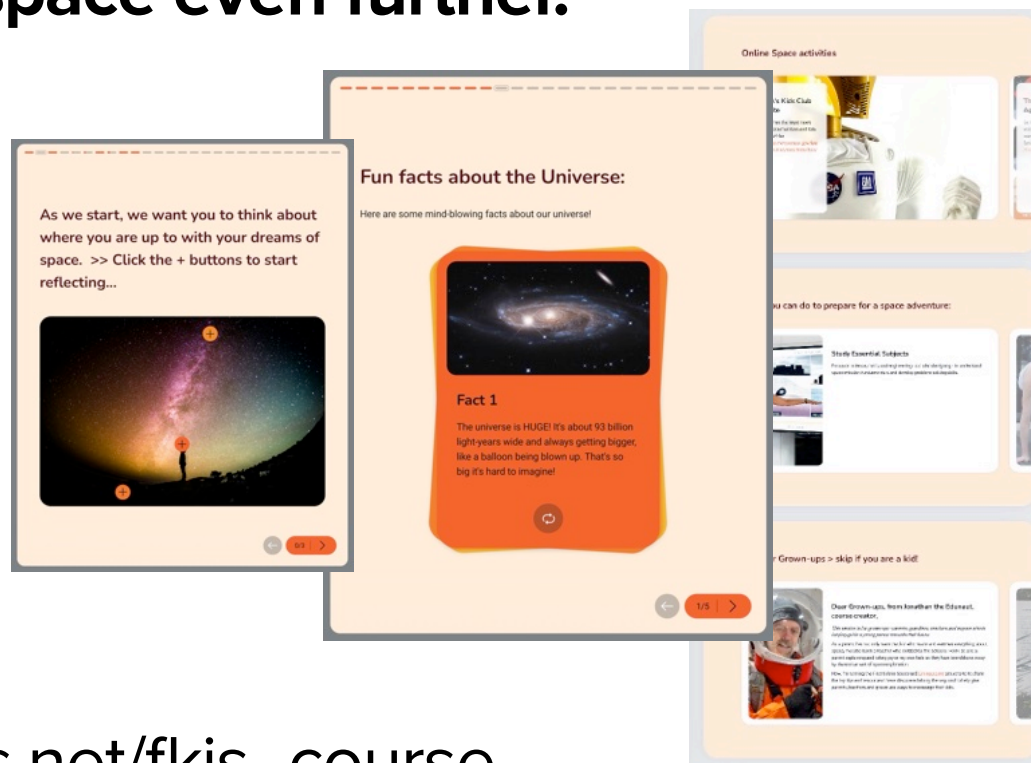


3. FIRST KIDS IN SPACE PROJECTS

FirstKidsInSpace.info



First Kids in Space interactive course to boost knowledge of space even further.



US\$9.90 > Edunauts.net/fkis_course








4. MORE, MORE, MORE

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Edunauts.net - Listed Projects

WHAT DO EDUNAUT PROJECTS LOOK LIKE?

KIDS KIDS	SCHOOLS PRIMARY OR HIGH SCHOOL	ADULTS TEACHERS, PARENTS, PROFESSIONALS
<p>FIRST KIDS IN SPACE</p> <p>> Use the FirstKidsInSpace tab above For kids aged 5 to 12 and their grown-ups:</p> <ul style="list-style-type: none"> • Citizen Science 'dreams of space' project • Free 'First Kids in Space' eBook • Interactive online course 	<p>FIRST ON MARS</p> <p>> Find out more here For Years 1 to 12:</p> <ul style="list-style-type: none"> • Boost engagement with any subject or theme via an interactive journey to Mars • Uses play-based learning and project based learning to enhance students subject knowledge, team work and creativity 	<p>LOFI AIRSPACE</p> <p>> Youtube.com/@lofiinspace For all ages:</p> <ul style="list-style-type: none"> • Relaxing series of flying and space videos • Mindfulness and background videos that also inspires interest in aerospace • Aerospace expert interview videos being added in phase 3 
<p>JUNIOR ASTROBIOLOGIST</p> <p>> Ask to join here For students of all ages:</p> <ul style="list-style-type: none"> • Join Astrobiologist Dr Michaela Musilova and start learning how to study nature and extreme forms of life • Add data you collect to a global citizen science project • Download and analyse the data 	<p>RASCUBE CUBE SATELITES</p> <p>> https://www.robinson-aerospace.com/ For high school Teachers and their classes:</p> <ul style="list-style-type: none"> • Construct an actual Cube-class satellite • Use the RASCube across multiple subjects including Math, Physics, Science, Digital Technologies 	<p>MARS SOCIETY</p> <p>> https://www.marsociety.org/ For older students and adults:</p> <ul style="list-style-type: none"> • The world's largest humans to Mars space advocacy organisation • Join local chapters to learn and support the mission • Apply to be an Ambassador and advocate for Mars yourself 
	<p>STEAM4SPACE</p> <p>> https://steam4space.org A new way to spark curiosity and ignite a student's passion for space by placing a real mission patch into their hands, sharing the stories told by astronauts and space artists about the design of their patch to transform the learning experience and engagement in STEAM for space. Start by requesting a free set of mission patches.</p> 	<p>ARES LEARNING</p> <p>> https://www.areslearning.com/ For older students, Teachers and Adults</p> <ul style="list-style-type: none"> • Preparing for Humanity's Future in Space • Courses and field trips that prepare teachers and adults to support students 



LOFI AIRSPACE CHANNEL

Edunauts.net



Relaxing Air Travel and Space exploration videos

[YouTube.com/@lofiairspace](https://www.youtube.com/@lofiairspace)



4. MORE, MORE, MORE

Mars Society Projects:

Two visits to Mars Society's MDRS:

1. 2017 > 1 day at Rover Challenge
2. 1 week for Spaceward Bound with Crew 270



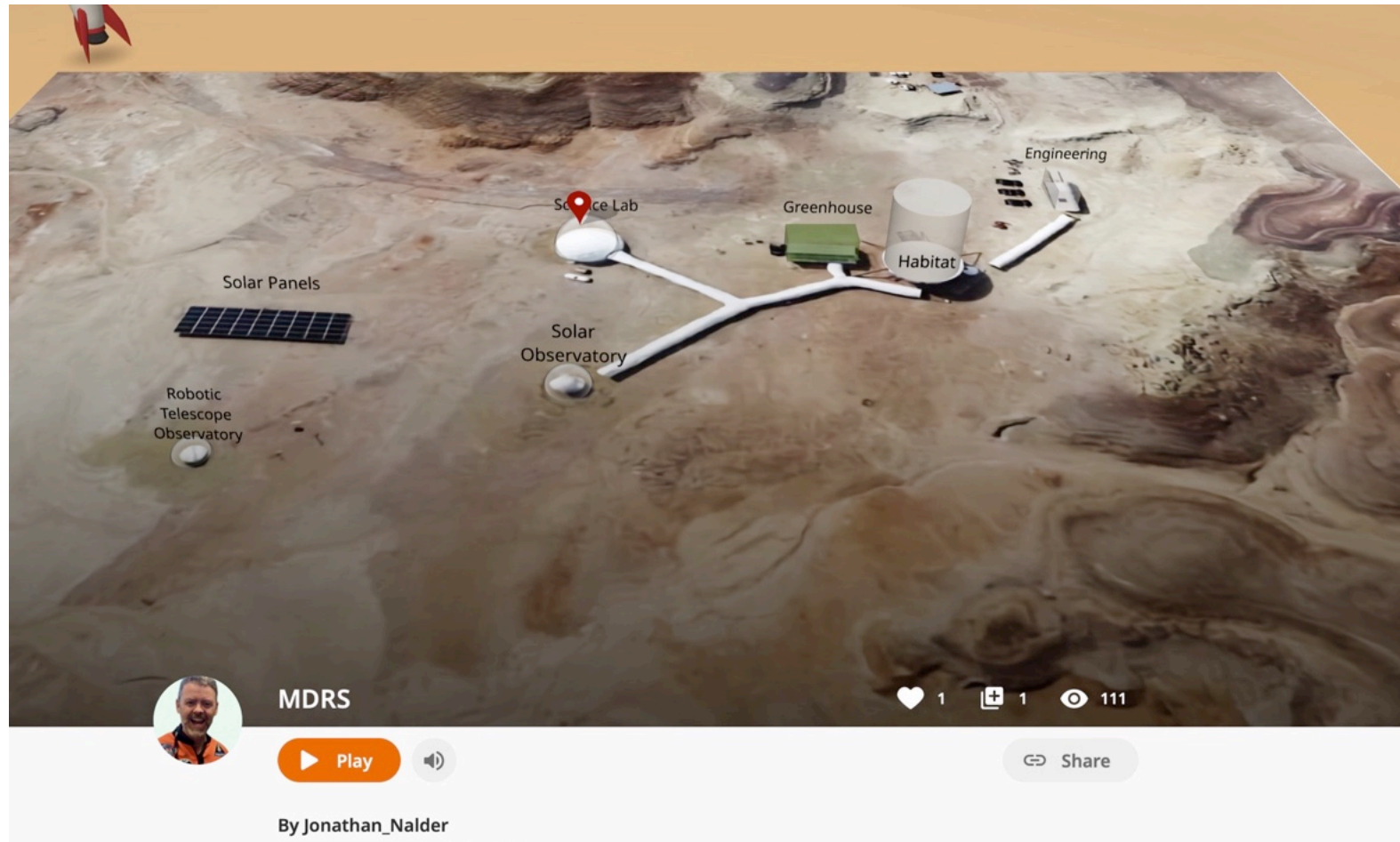
3. MDRS ESCAPE ROOM

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Version 1: 360 / VR Experience

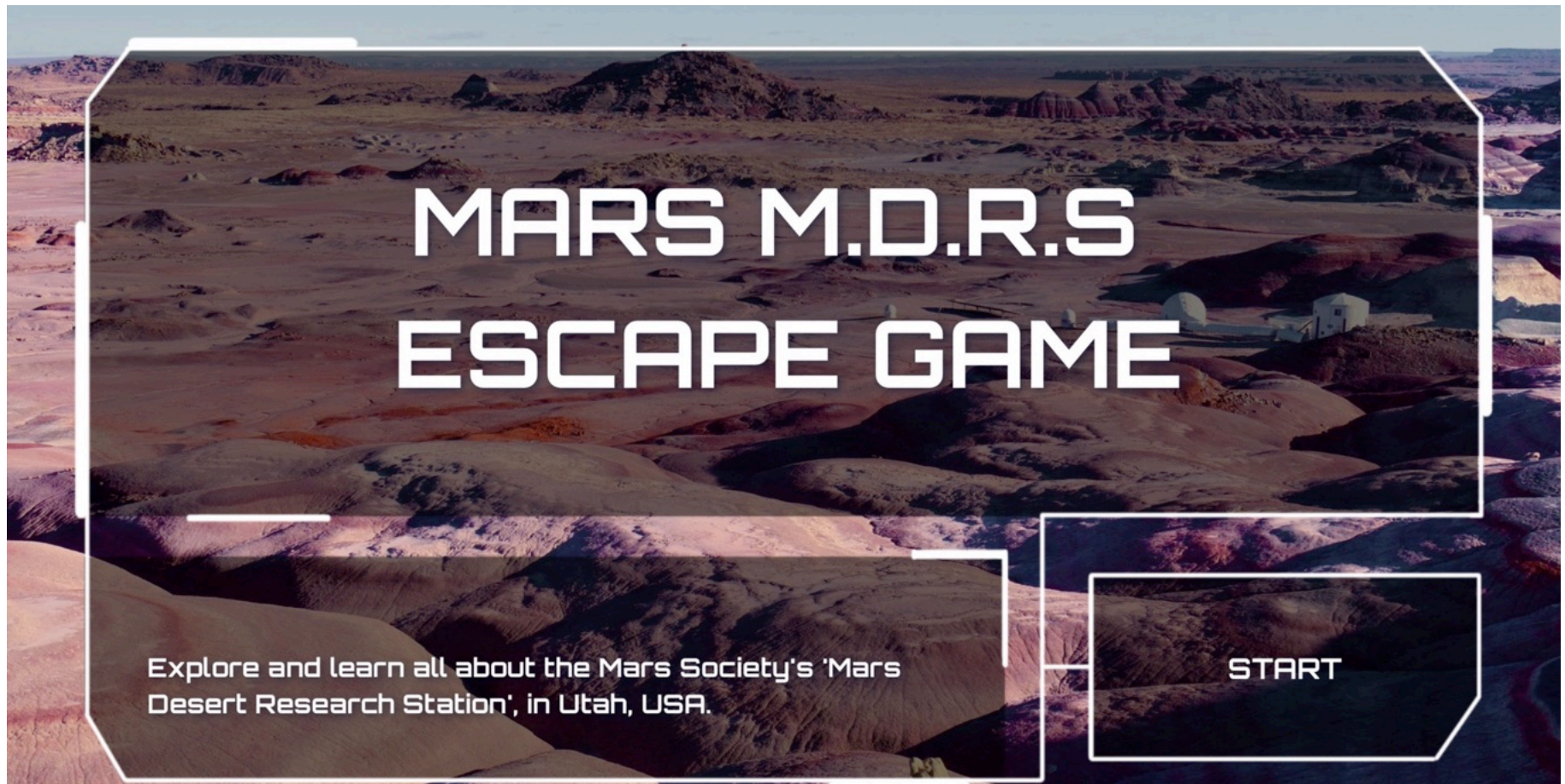
edu.cospaces.io/WKM-WZF



3. MDRS ESCAPE ROOM



Virtual Escape Room under construction...



3. MDRS ESCAPE ROOM

Edunauts.net



Virtual Escape Room under construction...

A virtual escape room interface set against a Mars landscape background. A white-outlined text box contains the following text:

THE PROBLEM

After 3 months on Mars, you are already craving some kind of fresh, green food to help remind you of home, and improve your health and mood. You never thought you would crave veges and lettuce so much!

This mission will take you on a journey through 5 of the key areas of the Mars Desert Research Station to help solve this problem.
Can you find the clues in each space?

→

3. MDRS ESCAPE ROOM



Virtual Escape Room under construction...



3. MDRS ESCAPE ROOM

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Virtual Escape Room under construction...



DEMO: view.genial.ly/65ff7d7870bf9800133fa342

4. MDRS AI LEARNING CHAT

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Learn about Mars, the MDRS and Mars Society in a gamified chat.

> Play.Rosebud.ai

> Click on 'MDRS chat'



Full demo link:

<https://tinyurl.com/Mars-MDRSchat>

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