Teacher Resources

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How to access the podcast

You can listen to Audiomoves in Space using a mobile phone, tablet, desktop or laptop.

Episode are available via:

our website
Spotify *
iTunes *
YouTube (captioned)

*These platforms allow you to download episodes so you can listen offline.

If you're not sure how to play the episodes, click here, or scan the QR code

Introduction

Audiomoves is a unique podcast series designed to encourage children to move, dance and use their imaginations. Ideal for use in the classroom while taking a brain or sensory break; in the hall as part of PE, or as a way to enhance and bring alive other curricular areas. Parents can also be informed about the series, so that children can access podcasts at home.

We have teacher resources for the original Audiomoves series (covering topics like the weather, sound and silence, forces, tidying up, and rhythm); animals (at the zoo) teacher resources, which feature interviews with zookeepers, and offer lesson plans in English, Science & Dance for KS1 & KS2 and Audiomoves Goes to Sleep - Teacher Resources featuring interviews with sleep experts, and offers lessons for Dance with suggested links to English, Science and PSHCE.

Audiomoves in Space

What is a black hole? Where do shooting stars come from? What is the moon really made of? From a young age, children are inquisitive about life on, and beyond our planet. For this series, Peut-Être Theatre collaborated with Royal Observatory Greenwich to ensure expert astronomers were able to answer these questions, and more! This takes the shape of our Q&A episodes, which were accompanied by movement episodes that help children gain an understanding of the concepts whilst moving, using their imaginations and having fun!

Audiomoves in Space looks at 8 different themes:

- The Sun
- Supernovas
- The Moon
- Meteors
- Planets
- Orbits
- Stars
- Black Holes

Space is part of the Science National Curriculum in KS2 (see below for National Curriculum links), but episodes can be enjoyed outside of this. Use them:

- for movement breaks
- in PE (dance)
- for child centred learning
- in English (see below for book suggestions).

Parents may also enjoy sharing episodes with their children - especially those with a keen interest in astronomy - direct them to Audiomoves in Space. Q&A episodes are inspirational for those children asking the big questions, while movement supports children's understanding of a topic, invigorating a passion for learning, and enabling equitable access.

"It [Audiomoves in Space] was also really inclusive. The ones that were struggling to become involved with the science of it got to engage with it and think about it in different ways."
Dulwich Wood, year 4 class teacher

Audiomoves in Space in the Classroom
The National Curriculum – where does Audiomoves in Space fit in?

Space, and related topics sit under science. Here we list the statutory requirements, episodes that would compliment these, and links to resources from The Royal Observatory Greenwich. Whilst listening to Q&A episodes, children could try drawing something they're picturing from the experts explanations, or write down a fact they find inspiring - particularly useful for those who find it hard to just listen.

Year 3
Light: Pupils should be taught to:

- recognise that they need light in order to see things and that dark is the absence of light
- notice that light is reflected from surfaces
- recognise that light from the sun can be dangerous and that there are ways to protect their eyes
- recognise that shadows are formed when the light from a light source is blocked by an opaque object
- find patterns in the way that the size of shadows change.

Audiomoves episodes:

- Q&A: How Hot is the Sun
- Q&A: Why do Stars Twinkle
- Movement: Blaze like the Sun
- Movement: Shine Like a Star

Links to Royal Observatory Greenwich resources:

- Our Sun
- The Story of Stars
- Shadows On Other Worlds

Rocks: Pupils should be taught to:

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock
- Recognise that soils are made from rocks and organic matter.

Audiomoves episodes:
(outside statutory requirements, but interesting and complementary)

- Q&A: What are Meteors?
- Movement: Meteor Space Race
- Q&A: Can We Live on Other Planets?
- Movement: Explore the Solar System

Links to Royal Observatory Greenwich resources:

- Space Rocks
- How did the Solar System form?

Year 5

Earth and space - Pupils should be taught to:

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

Audiomoves episodes:

- Q&A: How Hot is the Sun
- Q&A: How does the Moon affect the Ocean
- Q&A: Can We Live on Other Planets?
- Q&A: How / Why do Planets Orbit?
- Q&A: What is a Supernova
- Movement: Blaze like the Sun
- Movement: Moon Bounce
- Movement: Explore the Solar System
- Movement: Orbit through Space
- Movement: Supernova Explosion

Links to **Royal Observatory Greenwich** resources:

- Our Sun
- Our Mighty Moon
- A Solar System Holiday
- How did the Solar System form?
- Mission to Mars
- NASA Solar System Dynamics
- Stars and the H-R Diagram
- The Story of Stars

Forces - Pupils should be taught to:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object

Audiomoves episodes:

- Q&A: How does the Moon affect the Ocean
- Q&A: Can We Live on Other Planets?
- Q&A: How / Why do Planets Orbit?
- Q&A: What are Meteors?
- Movement: Moon Bounce
- Movement: Explore the Solar System
- Movement: Orbit through Space
- Movement: Meteor Space Race

Links to **Royal Observatory Greenwich** resources:

- Our Mighty Moon
- A Solar System Holiday
- How did the Solar System form
- Stars and the H-R Diagram
- Space Rocks

Year 6

Audiomoves is recommended for children **up to** 9 / 10 years old. The movement episodes may feel a bit young for Year 6s, but the Q&A episodes will support learning, or may be interesting for learning outside of the curriculum - especially for those who are interested in space.

And the rest...

As well as Science, Audiomoves in Space could be used during your English lessons - linked to a space themed book (see below), as a movement break or in PE. To help you include episodes in these instance, try following this structure (Note there's a partner Q&A episode to all movement ones which can be listened to in the classroom before or after):

1. Warm up. (10mins) Try these ideas:
    a. **Bim! Bam!** Class stand in a circle. Teacher stands in the middle and points at each child. Start by going round the circle. The children pointed at must say "Bim", then "Bam", then their name. Once they have got the hang of this, the teacher can point at anyone in any order and speed it up.
    b. **Shapes (based on space).** Similar to number = movement warm-up, or different beans (if you know that) but instead, as children walk around the space, introduce different space related shapes. When the teacher says them, the class must show them. Some ideas: moon; rocket; dwarf star; satellite (they could orbit another person); star; meteor shower.
    c. **Quick Stare**. In a circle, all the children look at their feet. Then on teacher's say (count to 3) everyone looks up and looks at someone. If 2 people are looking at each other then they are out of the next round! Keep going until 1 person is left.
2. Explain to everyone that we'll be listening to a movement podcast. There's no right or wrong way of moving. Each participant may be doing something different to the teacher, or each other, and that's ok. Keep safe by being aware of each other as you move in the space, and keep away from the edges of the space, and especially objects there. (5 mins)
3. Listen and move to the **movement episode** (anything from 10 to 16 ½ mins)
4. Cool-down. The episodes end with a 30 seconds to 1 minute cool down. You may want to include something further. This could be something physical, however, you may also want to give time for reflection, so participants can talk about what they've just done (5 - 10 minutes)

For further ways to include Audiomoves in your PE (dance) lessons and your English creative writing, try this Teacher Resource.

Further information and Resources

Books with Space as a theme

A Day in the Life of an Astronaut, Mars and the Distant Stars (non-fiction) by Mike Barfield & Jess Bradley
Look Up by Nathan Bryon & Dapo Adeola
The Darkest Dark by Chris Hadfield & Kate Fillion & The Fan Brothers
The Way Back Home; Where to Hide a Star and Meanwhile Back on Earth all by Oliver Jeffers
Rajiv's Starry Feelings by Niall Moorjani & Nanette Regan
Jasper: Space Dog by Hilary Robinson & Lewis James
Sunshine at Bedtime by Clare Helen Welsh & Sally Soweol Han
Field Trip to the Moon by Jeanne Willis & John Hare
Astro Girl by Ken Wilson-Max

Huge Topics - mental health awareness

Dealing with such huge topics such as Black Holes, the Universe and thoughts about 'end of the world' may upset / scare some children. Do be aware that some may ask questions about these things, and may become scared. It's important to respond with the facts, and listen to concerns, as talking these through is helpful.

Royal Observatory Greenwich

The venue along with its Planetarium will be closed for refurbishment from September 2025 to January 2028. Do visit their website Royal Observatory | Royal Museums Greenwich for further updates.

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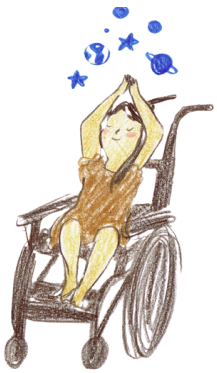

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