

**Earth, Space and Dance,
a Virtual Dance Workshop for KS2 (free pilot session)
Inspired by the 1620s House & Garden**



Time: 1 hour 30 mins

Workshop Leader: Caroline Rowland

National Curriculum links: Earth & Space, Local Study & Physical Education

In this dance workshop we will be bringing together maths, science, history and dance to unfurl the beginnings of modern astronomy from the 1600s, to teach the pupils about the 17th Century Scientific Revolution. As well facilitating a series of dance movements with the pupils, Caroline will use additional images and pre-recorded video within her live streamed presentation.

The workshop will be split into 3 activities:

1. The pre-workshop activities (self-led) – guidance available in the Teachers Pack. Resources: string, paper, pencil, drawing pins and a board for the pupils to lean on (the school to source)
2. The Virtual Zoom or Teams dance workshop. Resources: a PE kit
3. The evaluation -a survey for the teacher

The aim of the workshop is to use dance to teach the pupils about the history of mathematics and astronomy, and to develop an understanding Kepler's 3 laws of planetary Motion. By the end of the session the pupils will have produced and performed their own creative dance piece.

Learning Outcomes:

- mathematical understanding of the laws of planetary Motion in relation to orbit, ellipse, speed and distance through the art of dance
- elements of dance including speed, direction, dynamics, and actions
- a tangible understanding of The laws of Motion through choreography and creative movement.