

Dataface

Bringing data to life

In partnership with



Supported by



What is DataFace?

Equipping Gen Z for the jobs of tomorrow

DataFace enables young people in Y8/9 to tell the stories they care about through the gathering and presentation of data.

How does it work?

DataFace *equips teachers and students* with the skills and confidence to interrogate data – big and small – and present their findings creatively. It draws on core data skills, broader power skills and data visualisation techniques to encourage students to find the stories they care about through the gathering and presentation of data. Working with a chosen dataset focused on environmental responsibility, gender equality, mental health and the cost-of-living crisis along with a range of short teaching videos, students develop their skills and produce a creative visual outcome. Schools deliver the project and hold an in-school data visualisation competition. The students from each school then have their work hosted in our virtual art gallery for everyone to explore.

Aims

Through participating in DataFace, students will:

- Understand the relationship between data and everyday life.
- Develop a sensitivity to the ethics and security implications of data science.
- Increase data literacy.
- Develop employability skills, specifically: creativity & innovation, teamwork, communication, problem solving, decision-making & initiative.

<https://www.youtube.com/watch?v=Ha19DnHhWEU&t=1s>

What is Cheltenham Festivals?

A not-for-profit charity whose main aim to inspire cultural engagement through festivals, learning, outreach and participation and in partnership with many other organisations.

- Science
- Literature
- Music
- Jazz

<https://www.cheltenhamfestivals.com/>

Me - Karen Morris

THEN

- Former Head of Computing at Stroud High School in Gloucestershire (2008-2023)
- Worked with Cheltenham Festivals for 2 years in the pilot phase
 - My students provided projects and content so in a lot of the videos!

NOW

- Senior Data Consultant at Sopra Steria (2023 -)
- Given outreach time to work alongside Chelt Festivals to support the Glos schools taking part in the local phase
- Trying to attract nationwide interest for next phase – 30 schools to participate

Creative Data Visualisation

What does that mean?

- Choose from a list of given datasets
- Interrogate the data using taught skills (we have resources to support if needed)
- Find a data story
- Tell your data story visually/creatively

The screenshot shows the Dataface web application interface. The top navigation bar includes links for 'CF Home', 'How We Work', 'People Matters', 'Cross Festival', 'Marketing', 'Box Office', 'Development', and 'Learning & Participation'. The main header is 'CROSS FESTIVAL'. Below the header, there are action buttons: '+ New', 'Upload', 'Download', and 'Integrate'. The breadcrumb trail is 'STRATEGY > Mission Projects > Dataface > 2023_2025 > DataFace School Access Resources'. A table lists files and folders with columns for 'Name', 'Month', 'Year', and 'Modified'. A dropdown menu is open over the file 'DataFace Schools Group Catch Up-20240206_16...', showing a list of Excel datasets:

Name	Month	Year	Modified
0 - Admin			February 7
a - Teaching Resources			October 24, 2023
b - Core Datasets			October 24, 2023
c - Datasets for Core Skills Videos			October 24, 2023
d - Exemplar & OS datasets			October 24, 2023
e - Competition Promotion			October 24, 2023
f - Photos			October 25, 2023
DataFace Judging Criteria 2024.docx			February 7
DataFace Schools Group Catch Up-20240206_16...			

The dropdown menu lists the following datasets:

- DataFace Dataset - Cost of living.xlsx
- DataFace Dataset - Environmental protection.xlsx
- DataFace Dataset - Gender equality.xlsx
- DataFace Dataset - Sea level rise.xlsx

Suggestions for Delivery

1. Works *really* well as a standalone unit of work for **spreadsheets** in Y8 (Core Skills) or a deeper dive into **data science** in Y9 (Power Skills).
 - Lesson plans/ideas
 - Teaching videos
 - Exemplar datasets for lesson
 - Can introduce the competition element at the beginning and use as homework or give a bit of time in lessons
2. Run as a club at lunch or afterschool – could be after doing a spreadsheet topic so just focusing on the competition
3. Enrichment opportunity – fit in with any available time that students get for outside lessons

Cross Curricular

Computing teaching of core and power skills most likely to be taught in Computing – common model

Geography most datasets link to Geography topics

Art / DT can help with ideas and building of creative element

PSHE mental health dataset

Careers many aspects of this look at how data can be a future job for the students. Helps with Gatsby Benchmark

Projects from the Pilot / Local Phase

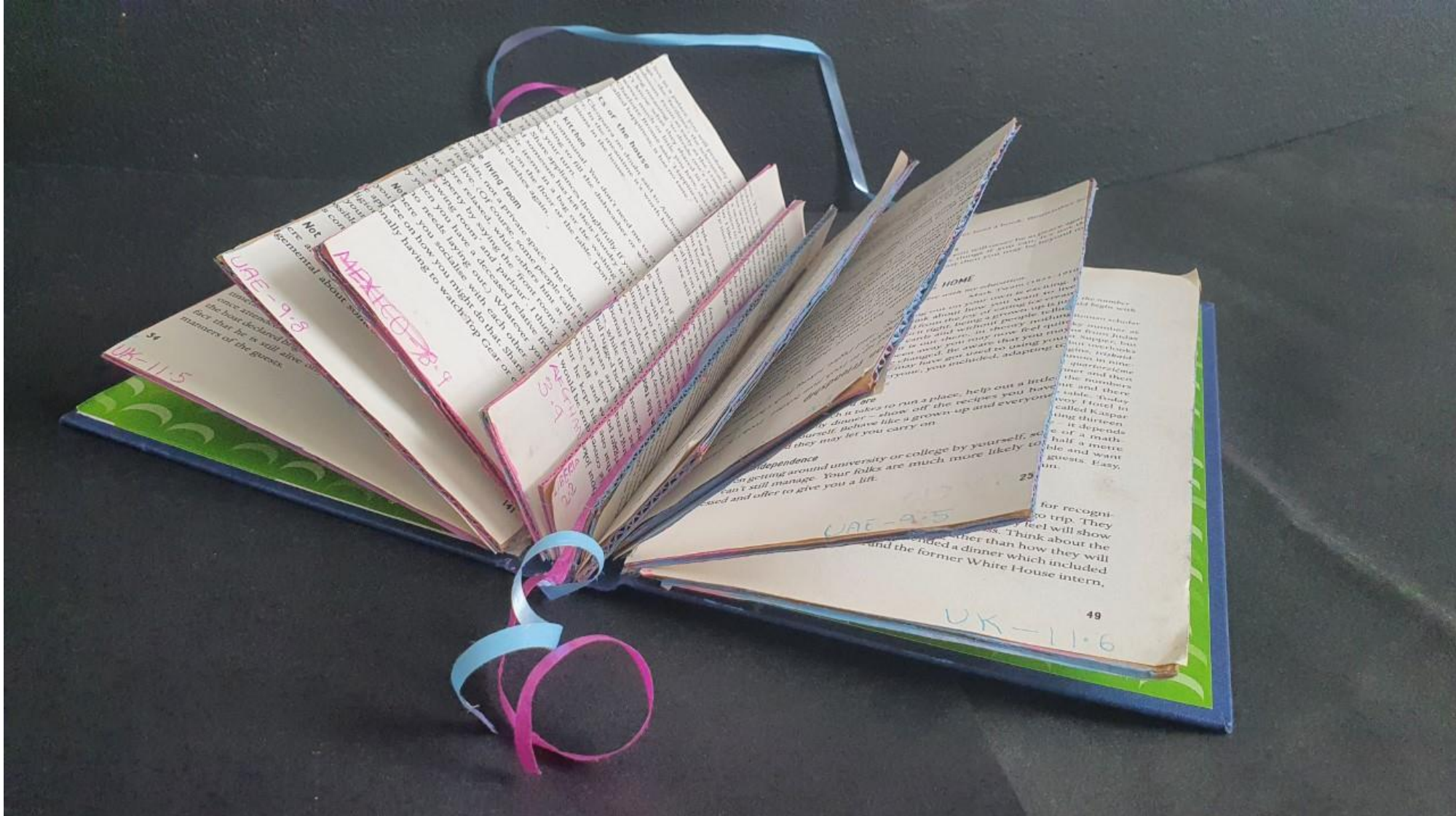
The following slides highlight some examples from the pilot phase of DataFace

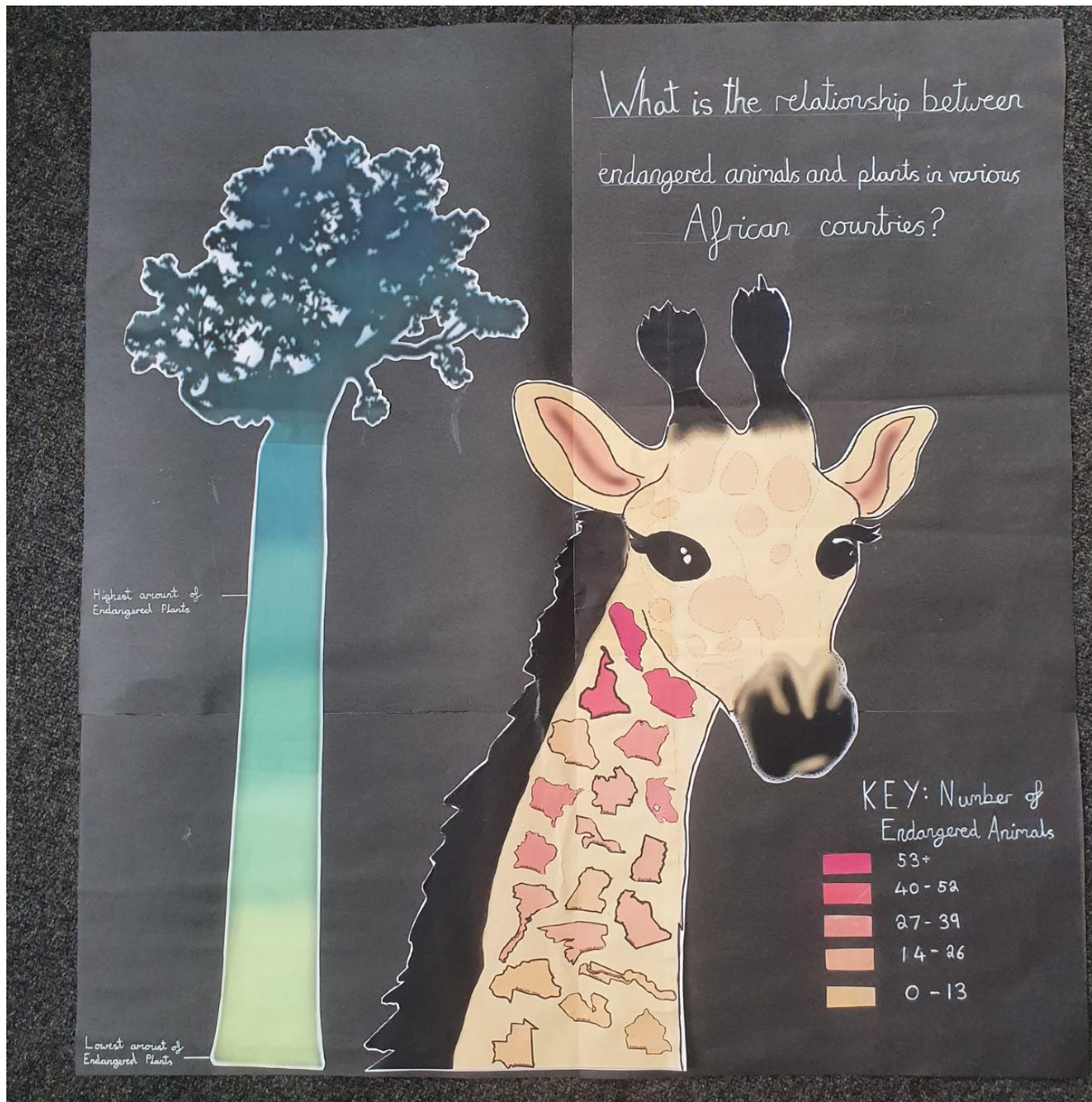


Gender Equality

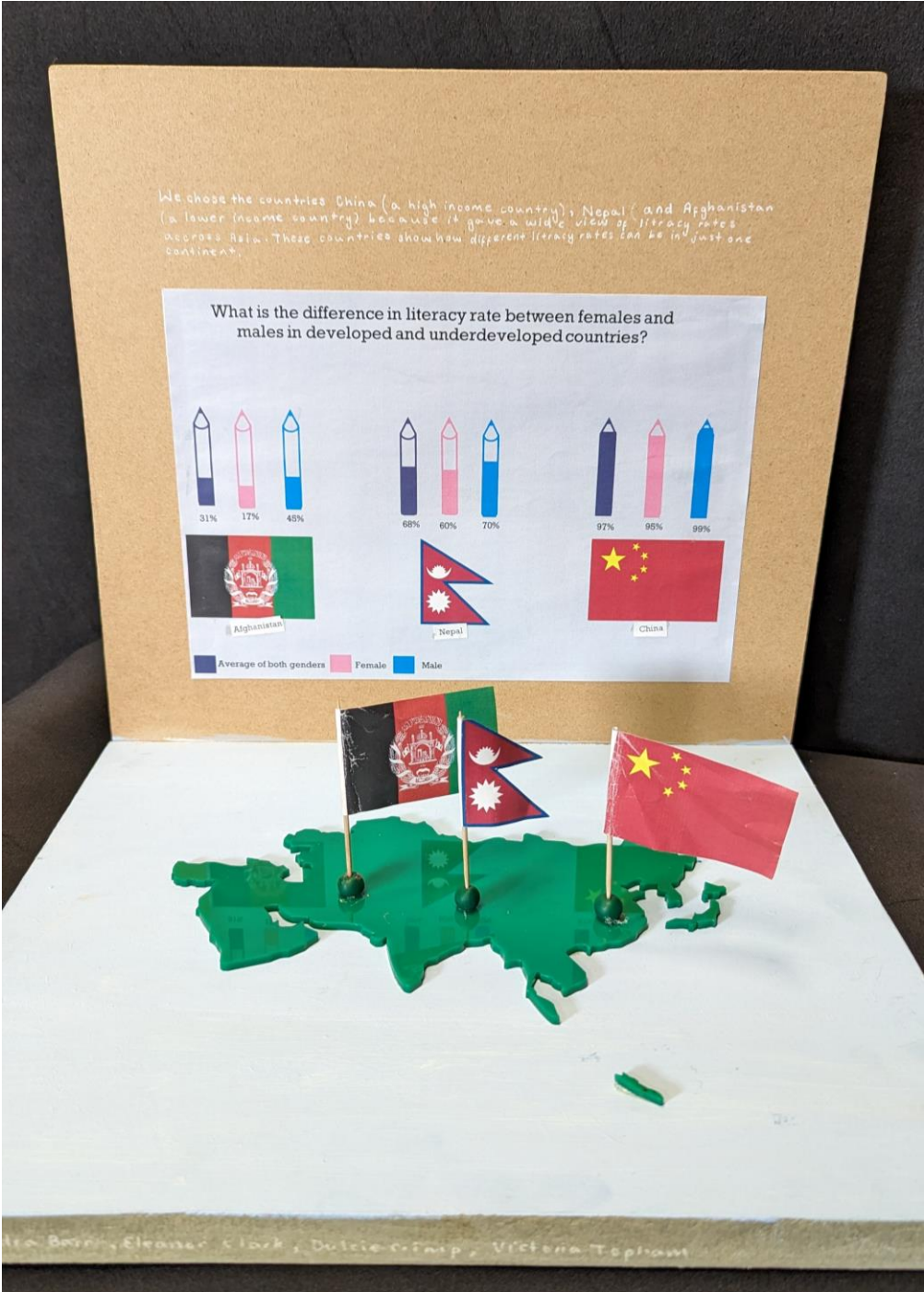
Wearing national dress of the countries referenced

Gender Equality





Environmental Protection



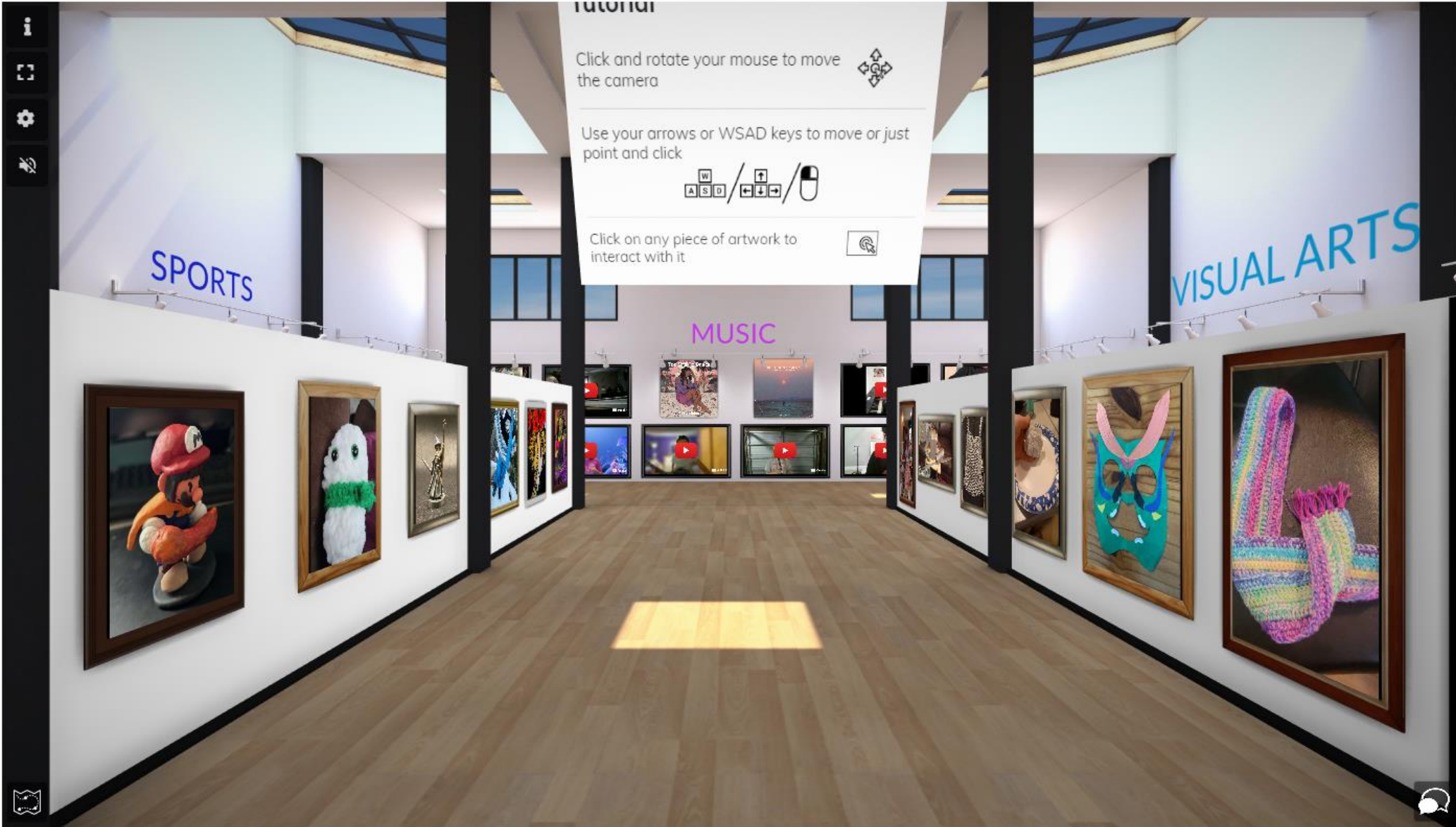
Gender Equality



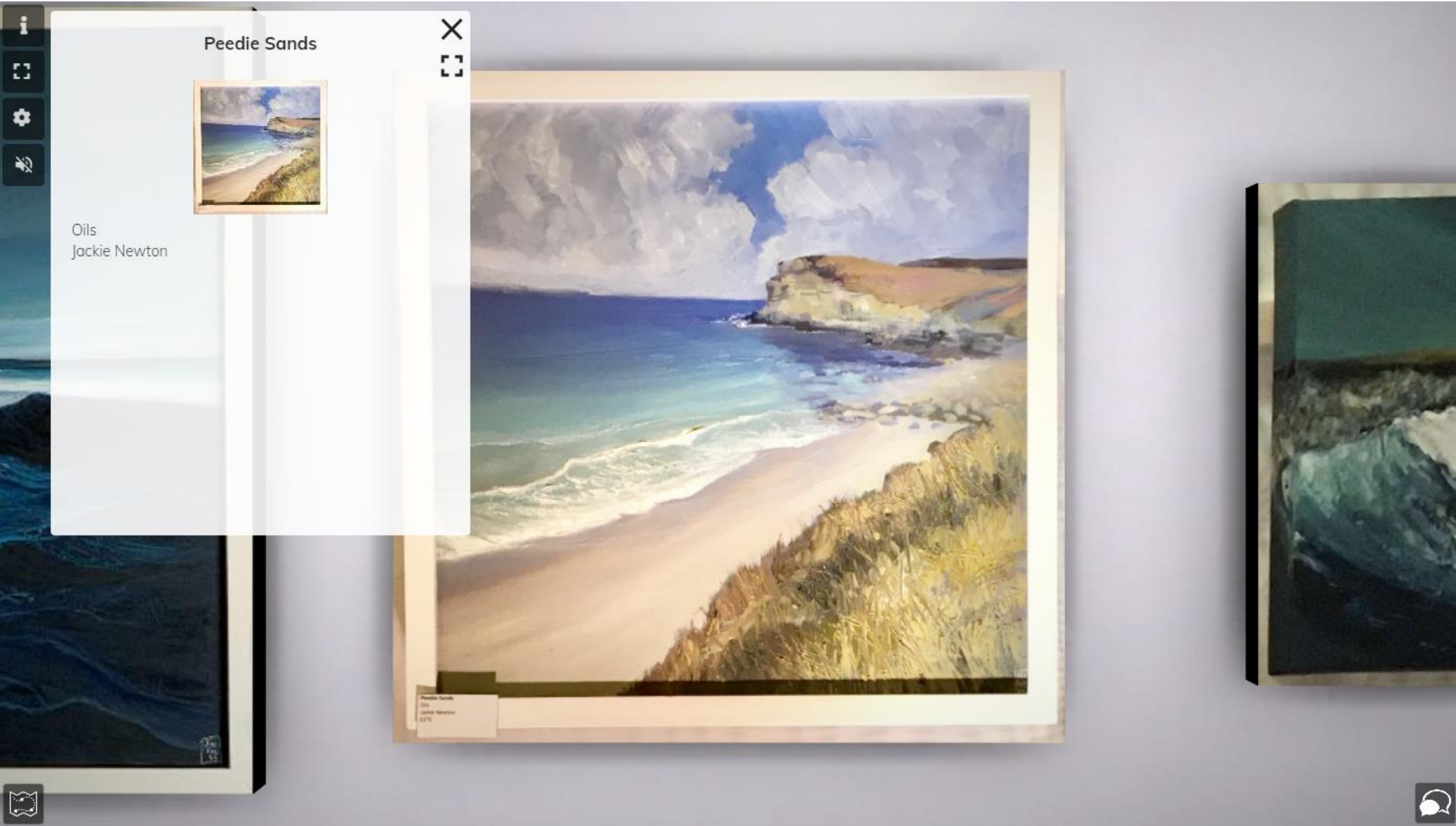
Environmental Protection

What will happen to the students work?

The following slides highlight how your students work will be showcased on the DataFace website







Support for Teachers

Online sessions before September to help with guidance on setting up, delivery support or anything else we can aid you with.

‘Teach the Teacher’ sessions if people don’t feel as confident as they would like in analysing data

We want you to be as successful as possible so will be there for anything you would like that we can offer!

More info....

Cheltenham Festivals
website page:

[https://www.cheltenhamfestivals.com/
learning-participation/dataface](https://www.cheltenhamfestivals.com/learning-participation/dataface)



Link to register interest to participate
in the 2024/25 nationwide iteration:

[https://cheltenhamfestivals.wufoo.com/forms/dat
aface-202324-evaluation-form-a/](https://cheltenhamfestivals.wufoo.com/forms/dataface-202324-evaluation-form-a/)



Also [talking](#) about it at the Craig n Dave Conference in July!