

Teachers/ Adults Side (1)

Liverpool Biennial

Tracking the Code: Flowchart Exercise, KS2 IT

The Learner will create a flowchart to visualise the endless possibilities of creating an artwork, using the steps of the flowchart as an algorithm for making.

Estimated time: 1 hour

Curriculum Extract:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

Key Terms:

Curator – Someone who works in a museum or gallery to look after and work with art and objects in the collection.

Exhibition – An exhibition is a show of pictures, paintings, sculptures or other interesting objects, usually shown in museums or galleries.

Curate – To choose, look after and display art or objects, usually with a special understanding.

Biennials – A Biennial is a large art exhibition that happens in different countries all around the world. Usually in large cities, they happen every two years and can include events like talks, dances, music and films like the artwork.

Artificial Intelligence – Computers or computer robots being taught to use instructions the same way humans and animals use their brains to. They can be instructed to learn from the past, find meaning and other very human ways of thinking.

Machine Learning Technology – Using artificial intelligence to teach a machine to learn from mistakes or lessons and get better every time it is shown something new or repeats something. Eventually it will learn new things without being instructed to by humans.

Algorithm – A set of rules followed by computers to solve problems or achieve a task.

Computer Program – A collection of instructions followed to do a task. It is written in programming language that the computer understands.

Children / Learner's Side (2)

Liverpool Biennial

Tracking the Code: Flowchart Exercise, KS2 IT

Artist: UBERMORGEN, Leonardo Impett and Joasia Krysa

LB2021 Project Description: Artists UBERMORGEN, Leonardo Impett & Joasia Krysa present as part of Liverpool Biennial 2021, 'The Next Biennial Should Be Curated by a Machine'.

Using a computing programme, big data and algorithms to create a curating machine. The machine will gather images, files and other forms of data from the archives of the Liverpool and Whitney Biennial to formulate and draw conclusions for what the next Biennial would look like based on past exhibitions. As technology progresses drawing closer and closer together the similarities between human and machine, this project asks how curating as a field can open up to digital and alien perspectives on conventional curatorial practices and curatorial knowledge.

What would the next Biennial, or any large-scale exhibition, be like if machines were asked to take over the curatorial process and make sense of a vast amount of art world data that far exceeds the capacity of the human curator alone?

Material List:

PDF
Piece of Paper
Pens

Activity Instructions:

A flow chart is a visual sequence of a process. Each step in the process is represented by a different symbol and contains a short description of the process step. The flow chart symbols are linked together with arrows showing the process flow direction, the process can be changed and adapted by adding new symbols and arrows.

- Using the flowchart example below as a starting point, answer the questions to unlock your process to make a piece of art.
- Change the process as you go, return to your previous answers and find new ways to create using the flow chart tool. The main aim is to use the flow chart to break down the steps from beginning to creation of a work of art, and how many endless possibilities can happen by small or big changes in steps in the process.
- Use the PDF directly or to create your own flowchart on another piece of paper.
- How many ways can you make art? Use the flow chart to find out.

Liverpool Biennial

START

What will your Art Be about?

Answer:

What materials will you use?
e.g paint, paper, photography, sculpture

Answer:

Does your choice of material change what your art is about?

Yes

No

Continue adding to your flowchart on a new piece of paper. Ask yourself more questions about the artwork to continue the chart.

Want to do more like this? Have a look at our website: www.liverpoolbiennial2021.com/learn