



## Statement of participation

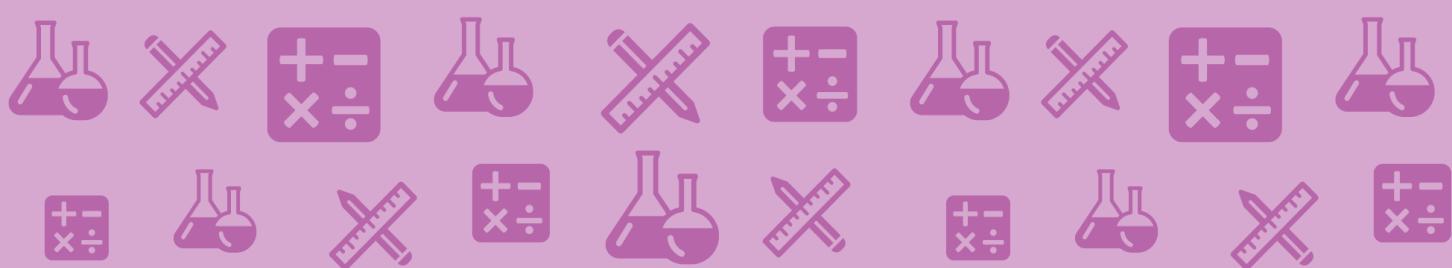
# Mihretab Nigatu

has completed the free course including any mandatory tests for:

### Algorithmic Design

This free 12-hour course explored the aesthetics of code through playful experimentation.

**Issue date:** 26 October 2025



[www.open.edu/openlearn](http://www.open.edu/openlearn)

This statement does not imply the award of credit points nor the conferment of a University Qualification.  
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:  
<https://www.open.edu/openlearn/science-maths-technology/design-innovation/algorithmic-design/content-section-0>

COURSE CODE: T190\_1



## Algorithmic Design

<https://www.open.edu/openlearn/science-maths-technology/design-innovation/algorithmic-design/content-section-0>

### Course summary

This free course, Algorithmic design, explores the creative potential of designing with algorithms. Learn to think algorithmically and tweak code to create your own wallpaper patterns and be part of contemporary design practices. Through hands-on graphical experimentation using p5.js JavaScript, you'll get to experience concepts like repetition, serendipity and modularity. The algorithmic wallpaper you create will allow you to demonstrate your newfound design skills and make something beautiful for your home.

### Learning outcomes

By completing this course, the learner should be able to:

- learn core design skills that allow you to experiment and play with algorithms
- learn how algorithms can be used to create visually compelling outcomes
- develop your creative judgement regarding the use of repetition, serendipity and modularity as part of your design process.

### Completed study

The learner has completed the following:

#### Section 1

Introduction to algorithmic design

#### Section 2

Algorithmic Design

#### Section 3

Playing with code

#### Section 4

Making Tiles

#### Section 5

Making Patterns

#### Section 6

Identify a place for your wallpaper design

#### Section 7

Look for inspiration

#### Section 8

Develop and iterate your design

#### Section 9

Choose and Test your Design

#### Section 10

Conclusion