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Certificate of Achievement

Matthias Giger

has completed the following course:

PROGRAMMING PEDAGOGY IN SECONDARY SCHOOLS: INSPIRING COMPUTING TEACHING
RASPBERRY PI FOUNDATION AND NATIONAL CENTRE FOR COMPUTING EDUCATION

In this course, learners examined different pedagogies suitable for use with 11- to 14-year-olds studying Computer Science, such as unplugged activities and PRIMM. They also experienced these approaches being used in a programming project, and created a lesson plan using one of these approaches.

3 weeks, 2 hours per week

Dr Sue Sentance
Chief Learning Officer
Raspberry Pi Foundation

Raspberry Pi

Teach Computing

In association with

CPD CERTIFIED
The CPD Certification Service

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.

TRANSCRIPT

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STUDY REQUIREMENT

3 weeks, 2 hours per week

LEARNING OUTCOMES

- Describe a range of pedagogical approaches suitable for use with 11- to 14-year-olds
- Demonstrate an understanding of how these approaches can be used in the classroom
- Evaluate the suitability of each approach for a particular audience and teaching objective
- Produce a lesson plan using one of the pedagogical techniques addressed in the course

SYLLABUS

- Computational thinking
- The unplugged approach
- Use-Modify-Create and PRIMM
- Worked examples and live coding
- Pair programming
- Parson's Problems
- Using functions, loops, variables, and selection to create a rock-paper-scissors game

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