

# Technocamps CPD Accreditation Programme for Primary Schools and Teachers (Wales)

(Pilot Scheme: Academic Year 2020-2021)

The aim of these sessions is to improve teachers' knowledge of Computer Science and Computational Thinking, apply these skills in the classroom and strategically across their school. Linking with the DCF and working across the new AoLEs of the new curriculum.

By participating in this program, a Teacher will gain Technocamps recognition as a **'Technocamps Certified Teacher'**, or a School will gain **'Technocamps Certified School'** status at the level of Bronze, Silver, or Gold .

Awards will be based on the completion of the 2020-2021 Technocamps Teacher Training (CPD) programme by individual teachers, and the number of teachers to complete the programme in a school.

Awards will be allocated as follows:

## Technocamps Certified Teacher Award

- Teachers will receive a certificate and title of 'Technocamps Certified Teacher' at the end of the academic year, or as soon as they have completed the full 10 sessions of Technocamps CPD.
- The title lasts for a total of 2 academic years, from the date of completion, with refresher sessions completed in the second year.

## Technocamps Certified School Award

- Schools will be allocated a Bronze, Silver or Gold Award, which will last for 2 academic years from the date of completion as long as all trained staff attend refresher sessions (4 hours = 2 x 2 hour sessions) in the second year.
- The school is committed to digital development and has embedded this in their school improvement plan.

The award requirements are as follows:

### Bronze

- 30% of Teaching staff (excluding LSAs) receive 15 hours (min) of training in an academic year (equivalent to a maximum of 10 x 2 hour CPD sessions)
- School hosts a minimum of 1 day of Technocamps workshops per term (3 per year)

### Silver

- 50% of Teaching staff (excluding LSAs) receive 15 hours (min) of training in an academic year (equivalent to a maximum of 10 x 2 hour CPD sessions)
- School hosts a minimum of 1 day of Technocamps workshops per term (3 per year)

### Gold

- 75% of Teaching staff (excluding LSAs) receive 15 hours (min) of training in an academic year (equivalent to a maximum of 10 x 2 hour CPD sessions)
- School hosts a minimum of 1 day of Technocamps workshops per half term (max 6 per year)

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## Structure and Delivery of the Technocamps Teacher Training (CPD) programme

The aim of these sessions is to improve teachers' knowledge of Computer Science and Computational Thinking (CT), improve their skills in using Scratch for teaching programming and CT skills and enable them to apply these skills in the classroom. The sessions will also look at the DCF and how to apply CT across the curriculum in preparation for the new Science and Technology AoLE/new curriculum.

All CPD training will be delivered virtually via Zoom by Technocamps Delivery Officers from USW, Bangor and Swansea Hubs.

Training sessions will run on Wednesday afternoons between 2pm-4pm according to the timetable.

All sessions will be capped at 20 participants to ensure quality of support and interaction with the group and Technocamps staff.

Each session will be labelled to show which ones must be taken together:

- Sessions 1 & 2 are pre-requisites before any other sessions.
- Other sessions are paired (1/2 and 2/2) and must be taken sequentially where possible.
- Session 5 must be taken before any other Scratch sessions.

Teachers' attendance will be monitored by Technocamps. Data will be collected using a Google Form.

### Data required from Schools and Teachers

The following data will be required by Technocamps for all teachers and schools registering for the programme:

- Name & Address of School
- Name of Head Teacher
- Email contact details of Head Teacher\*
- Number of Teachers employed by the school\*\*
- Contact email address (for each teacher participating)

\*With HT permission if only for Teacher Award

\*\*For School Award only

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## Core Programme Sessions

N.B Session 1 & 2 are pre-requisite to all other sessions. Session 5 must be completed before any other Scratch session.

All other sessions must be completed in pairs as indicated (1/2 & 2/2) but can be accessed in any order.

The order below is the recommended order of completion.

1. Introduction to Computational Thinking (1/2)

2. Computational Thinking Across the Curriculum (2/2)

3. Algorithms & the DCF - an Overview (1/2)

4. Algorithms & the DCF - Applications Across the Curriculum (2/2)

5. Introduction to Scratch Programming (1/2)

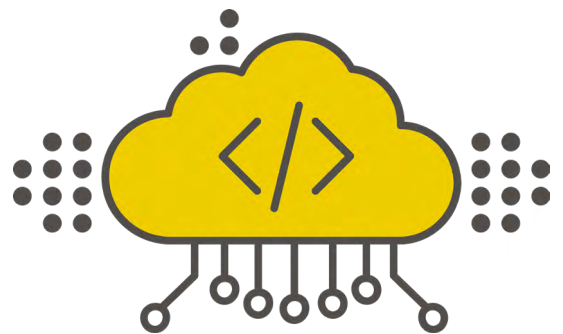
6. Further Scratch Programming (2/2)

7. Scratch as a Teaching Tool (1/2)

8. Scratch as a Teaching Tool (2/2)

9. Applied Computational Thinking - Planning for Teaching (1/2)

10. Teaching Computational Thinking Across the Curriculum (2/2)



## Additional Sessions

Additional sessions are available that look at specific hardware/software schools may have or want to invest in. See list below.

These sessions are in addition to the Core Programme. To be booked on request for groups of teachers or a specific school:

- Crumble
- BBC micro:bits
- Arduino
- Spheros
- Lego WeDo
- Python (MAT)

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## Attendance

Teachers will register for sessions through the **Eventbrite**.

Sessions can be booked in one term or across the whole academic year.

Requirements:

- All 10 sessions must be attended by an individual teacher to gain the Technocamps Certified Teacher Award.
- Sessions can be attended in any order, as long as pre-requisites are met (see Notes in the Core Programme Sessions section).
- Paired, progressive sessions must be booked in order, ideally completed in the same term.
- To improve knowledge and skills there will also be additional videos/activities teachers can complete outside the 'live' hours of the program.

## Timetable

Academic Year 2020-2021 Weds 2-4pm (Half Terms are taken into account)

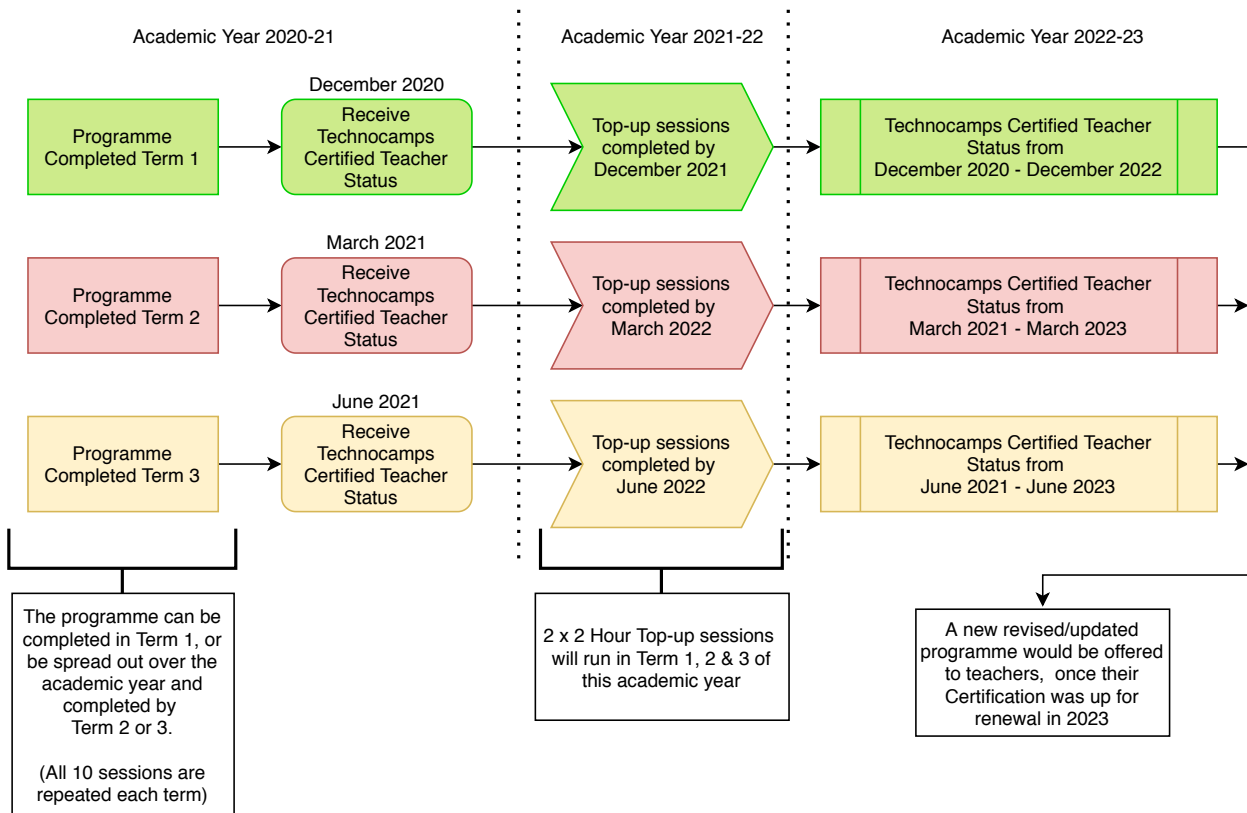
Autumn Term 1 Dates	Spring Term 2 Dates	Summer Term 3 Dates	Session Titles
30th Sept	13th Jan	21st April	1. Introduction to Computational Thinking (1/2)
7th Oct	20th Jan	28th April	2. Computational Thinking Across the Curriculum (2/2)
14th Oct	27th Jan	5th May	3. Algorithms & the DCF - an Overview (1/2)
21st Oct	3rd Feb	12th May	4. Algorithms & the DCF - Applications Across the Curriculum (2/2)
4th Nov	10th Feb	19th May	5. Introduction to Scratch Programming (1/2)
11th Nov	24th Feb	26th May	6. Further Scratch Programming (2/2)
18th Nov	3rd March	9th June	7. Scratch as a Teaching Tool (1/2)
25th Nov	10th March	16th June	8. Scratch as a Teaching Tool (2/2)
2nd Dec	17th March	23rd June	9. Applied Computational Thinking - Planning for Teaching (1/2)
9th Dec	24th March	30th June	10. Teaching Computational Thinking Across the Curriculum (2/2)

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## Certification flow chart

N.B. Teachers who attended sessions during the Lockdown period (May-July 2020) will be able to claim their hours towards a Teacher award.



For more information regarding this programme please contact [info@technocamps.com](mailto:info@technocamps.com)