

## Face-to-Face Summer Camps 2022\*

### INTEGRATED TECHNOLOGY Ages 9-11 & 12-14

#### FROM MONDAY 4 JULY - FRIDAY 8 JULY 2022

|                  |                              |
|------------------|------------------------------|
| Monday 4 July    | Avoid the Traffic Jam        |
| Tuesday 5 July   | Track Actuated Mobile Robots |
| Wednesday 6 July | The Microbit                 |
| Thursday 7 July  | The Golden Ratio             |
| Friday 8 July    | Simulating a Flock of Birds  |

#### FROM MONDAY 11 JULY - FRIDAY 15 JULY 2022

|                   |                              |
|-------------------|------------------------------|
| Monday 11 July    | A Sensor Tilt Machine        |
| Tuesday 12 July   | We are all Musicians         |
| Wednesday 13 July | Robot Track Based Navigation |
| Thursday 14 July  | Navigation and Path Planning |
| Friday 15 July    | The Maze Escape Challenge    |

#### FROM MONDAY 18 JULY - FRIDAY 22 JULY 2022

|                   |   |
|-------------------|---|
| Monday 18 July    | The Microbot                            |
| Tuesday 19 July   | The Robotic Arm Part 1                  |
| Wednesday 20 July | The Robotic Arm Part 2                  |
| Thursday 21 July  | TRACK3R Robot Geometrical Relationships |
| Friday 22 July    | A Simple Website                        |

#### FROM MONDAY 25 JULY - FRIDAY 29 JULY 2022

|                   |                                     |
|-------------------|-------------------------------------|
| Monday 25 July    | Drawing Shapes with Python Turtle   |
| Tuesday 26 July   | The Arduino-Powered Oven Controller |
| Wednesday 27 July | Cryptology                          |
| Thursday 28 July  | The TRACK3R Robot                   |
| Friday 29 July    | Robot Path Planning                 |



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### INTEGRATED TECHNOLOGY Ages 9-11 & 12-14

| FROM MONDAY 1 AUGUST - FRIDAY 5 AUGUST 2022 |                              |
|---|------------------------------|
| Monday 1 August                             | Robotics Advanced Navigation |
| Tuesday 2 August                            | Create a Quiz                |
| Wednesday 3 August                          | Let's Learn Morse Code       |
| Thursday 4 August                           | A Scientific Calculator      |
| Friday 5 August                             | Program a Chatbot            |

| FROM MONDAY 8 AUGUST - FRIDAY 12 AUGUST 2022 |                                       |
|--|---------------------------------------|
| Monday 8 August                              | Show me your Message                  |
| Tuesday 9 August                             | Robotics: The Light Sensor            |
| Wednesday 10 August                          | Line Following using the Light Sensor |
| Thursday 11 August                           | Create your own Adventure             |
| Friday 12 August                             | Colourful Spin Wheel                  |

**SCROLL DOWN**

## Face-to-Face Summer Camps 2022 at a glance\*

**From Monday 4 July until Friday 26 August**

| CAMP                         | AGE                           | WEEKS   | UK TIME                  |
|------------------------------|-------------------------------|---|--------------------------|
| Advanced Science             | 9-11<br>and<br>12-14          | Monday 4 July – Friday 8 July<br>Monday 11 July – Friday 15 July<br>Monday 18 July – Friday 22 July<br>Monday 25 July – Friday 29 July<br>Monday 1 August – Friday 5 August<br>Monday 8 August – Friday 12 August<br>Monday 15 August – Friday 19 August<br>Monday 22 August – Friday 26 August | 9:15 am - 3:15 pm        |
| Debating & Public Speaking   | 9-11<br>and<br>12-14          | Monday 4 July – Friday 8 July<br>Monday 11 July – Friday 15 July<br>Monday 18 July – Friday 22 July<br>Monday 25 July – Friday 29 July<br>Monday 1 August – Friday 5 August<br>Monday 8 August – Friday 12 August<br>Monday 15 August – Friday 19 August<br>Monday 22 August – Friday 26 August | 9:15 am - 3:15 pm        |
| Engineering                  | 9-11<br>and<br>12-14          | Monday 4 July – Friday 8 July<br>Monday 11 July – Friday 15 July<br>Monday 18 July – Friday 22 July<br>Monday 25 July – Friday 29 July<br>Monday 1 August – Friday 5 August<br>Monday 8 August – Friday 12 August   | 9:15 am - 3:15 pm        |
| <b>Integrated Technology</b> | <b>9-11<br/>and<br/>12-14</b> | <b>Monday 4 July – Friday 8 July<br/>Monday 11 July – Friday 15 July<br/>Monday 18 July – Friday 22 July<br/>Monday 25 July – Friday 29 July<br/>Monday 1 August – Friday 5 August<br/>Monday 8 August – Friday 12 August</b>   | <b>9:15 am - 3:15 pm</b> |
| Pre-medicine                 | 13-15<br>and<br>16-18         | Monday 11 July – Friday 15 July<br>Monday 18 July – Friday 22 July<br>Monday 25 July – Friday 29 July   | 9:15 am - 3:15 pm        |