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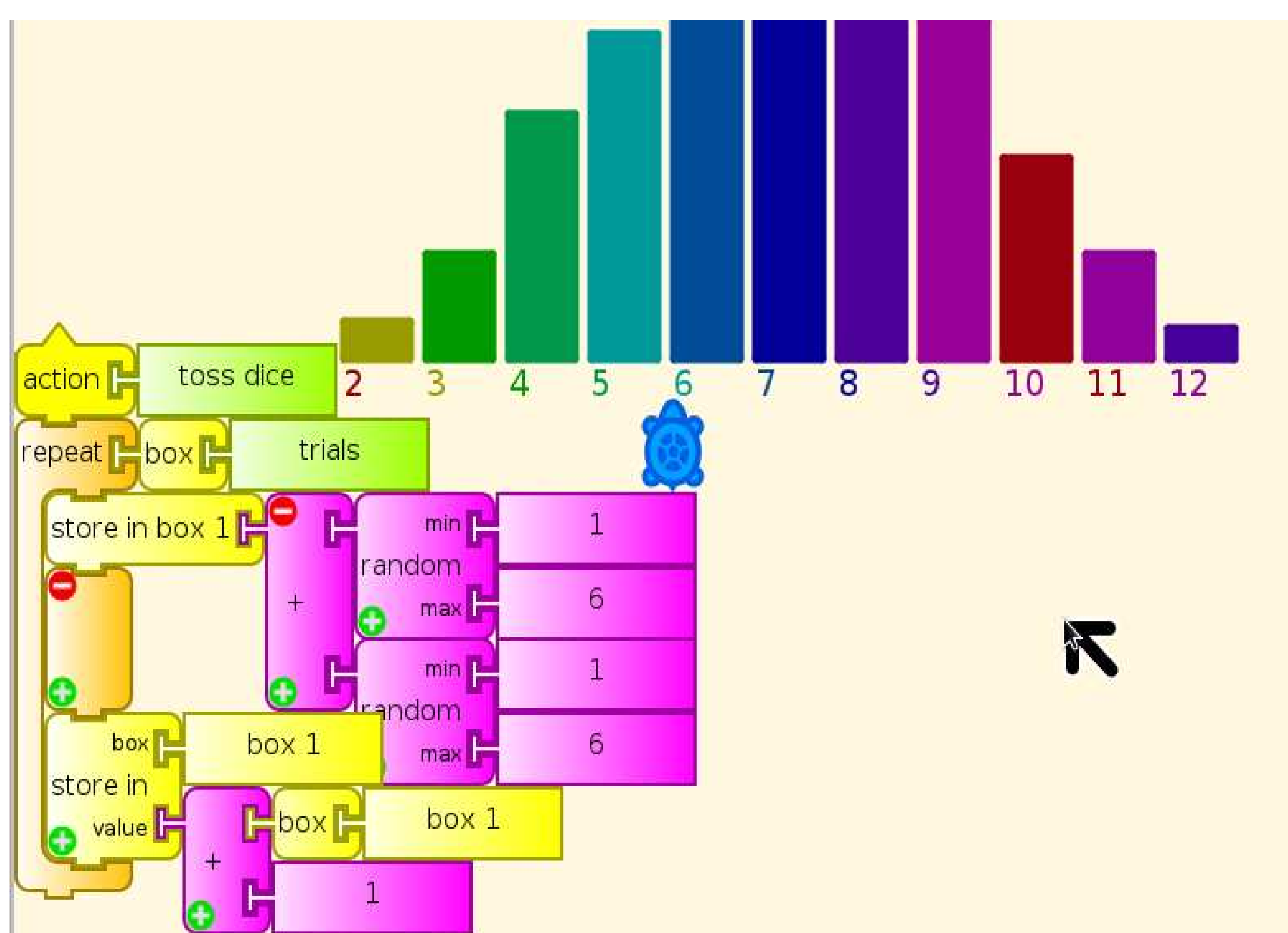
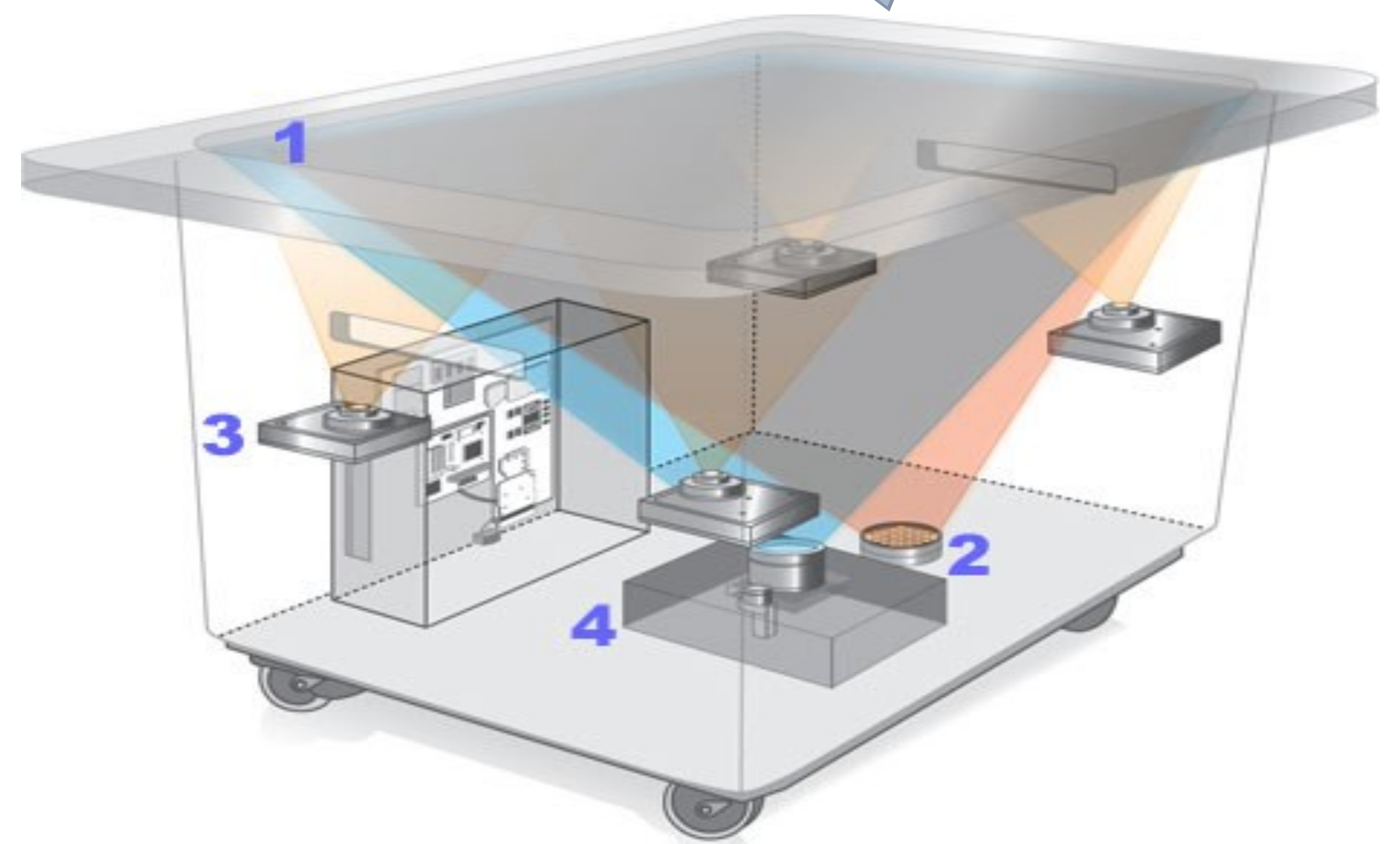
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The project aims to develop a new resource to enhance collaborative teaching programming in UK schools for pupils at key Stage 3 level, i.e., 11-14 year old. The proposed resource software will improve quality of education within the curriculum of schools systems, also it can be beneficial when used for collaborative learning and pair programming for many reasons such as it leads to a better product with time-effective, more enjoyable for developers, increases work satisfaction, promotes students learning.

Diagram illustrating a touchless hand scanner system. A hand is positioned above a curved glass surface. A light-pipe is embedded in the glass, with an IR LED at one end and a camera at the other. Red lines represent the light path from the LED, reflecting off the hand, and being captured by the camera. Labels include: LIGHT-PIPE, IR LED, PCB, GLASS, and CAMERA.

(1) Screen (2) Infrared (3) CPU (4) Projector.



Pair Programming project on the Multi-Touch table using Turtle Art. The software designed to be fun educational, and easy to learn. It has the tools for creating interactive art software, This method of programming (building code with blocks) is referred to as "drag-and-drop programming".

The picture illustrates how the student work around the Multi-touch table in the classroom.

