

how the product looks, its pleasing qualities.

the use of various materials, techniques, and structures to provide additional support and stability to a building or structure.

a device in a circuit that converts an electrical signal into sound.

a complete circular path that electricity flows through.

a basic part that uses electricity to perform a specific function.

the way something works or how useful it is.

an intended result or use.

right for the situation or purpose.



## D&T - Year 5/6 - Spring - Cycle A Materials/Construction/Electronics

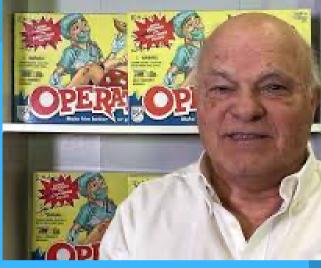
## John Spinello

John Spinello (born 1938) is an American game designer best known for inventing the classic board game Operation. While studying industrial design at the University of Illinois in

1964, he created an early version of the game as a class project. He later sold the idea to a toy company for \$500, not knowing it would become one of the most popular board games in history.

## Thomas Bradshaw

Thomas Bradshaw was an inventor from England who created the first steam-powered carousel at a fair in Aylsham in 1861. Before that, carousels were moved by people or animals, but Bradshaw's invention made them spin faster and more smoothly using steam engines. His idea inspired other inventors, like Frederick Savage, who improved and made carousels even more popular. Thanks to Bradshaw, carousels became a fun and magical ride that we still enjoy today!





**Our brief:** Design and make a moving carousel ride (Linked to our Computing Curriculum - Scratch and Crumble) and include an electrical element to the design (lights, buzzer, switches etc).

Test it: Take to KS1 for their wet playtime. Can the children make the carousel move, light up and buzz?



- Research your artist/s
- Explore new skills
- Design
- Create
- Evaluate



