

# **BT Young Scientist & Technology Exhibition 2024**

**10<sup>th</sup> – 13<sup>th</sup> January 2024**

This year Glanmire Community College had 5 projects exhibited at the BT Young Scientist and Technology Exhibition, which was the sixtieth year of the event. These consisted of:

## **Project 1221: Effects of chess playing on the cognitive ability of elderly people**

- Student: Cathal Tangney
- Overview: To examine any effects that playing chess may have on the cognitive ability of elderly people

## **Project 1550: Driven by Data**

- Students: Aoife Madden & Tianna Savage
- Overview: To assess road safety knowledge and awareness among people aged 13-19 and use our findings to inform and develop educational tools for secondary schools.

## **Project 1551: Assessing the Proportions of Intrinsically Motivated Versus Extrinsically Motivated Students**

- Students: Laura McSweeney & Karina Casey
- Overview: The project is based on assessing the proportion of extrinsically motivated students compared to intrinsically motivated students. In addition, an intervention was undertaken.

## **Project 3525: Solar Safe**

- Students: Kyle Scott, Rory Mullan & Kieran Quirke
- Overview: A wrist mounted device that detects heat related health issues.

## **Project 4531: The Changing Trends of Smoking Associated Litter on the Cork Coast: A Quantitative Analysis**

- Students: Eve Flynn, Lusy Joyce & Sarah Canty
- Overview: To quantitatively assess the proportion of pollution attributable to vaping versus “traditional” litter associated with cigarette use along the cork coastline.