



BILTON GRANGE

PREPARATORY SCHOOL

## **The BG Light Community Challenge...it's back!**

We are thrilled to announce the return of our Design Technology competition, centred around the enchanting theme of 'Light' and we can't wait to see how your imagination will illuminate new pathways this time around! This competition invites students of all ages and abilities to engage in creative exploration and innovation, tapping into the vast array of possibilities that light offers.

Light is both a functional necessity and a transformative element in design. This year, participants are encouraged to explore various light sources, including natural light, tea lights (both battery-operated and traditional flame), candles (again, both types), and an impressive range of battery-powered lights, plug-in lighting, LED strips, dimmable options, and colour-changing features. The sources of light are abundant; your only limit is your creativity!

To inspire your projects, we provide a few initial ideas. However, this is an intentionally open-ended brief designed to accommodate diverse learning styles and home environments. You are encouraged to think outside the box and generate entirely unique concepts, but ensure they are realistic and achievable.

Here are some project ideas to spark your imagination:

- Design a project that utilises and harnesses natural light in a new and innovative way.
- Explore upcycling by transforming a new or existing object into a stylish light feature for your bedroom or living area.
- Create a light or lamp that reflects a specific theme, function, or focus that resonates with you.
- Design and construct a tea light holder that accommodates either electric lights or traditional candles.
- Craft a chic candle holder, wall lamp, or desk light tailored to your personal aesthetic.
- Purchase a string of lights online (battery or plug-in) and devise a holder, feature, or project to complement them.
- Conceptualise a light project that you'll endeavour to create and manufacture at school.
- Harness the power of technology by designing a light project using CAD (Computer Aided Design) or traditional sketching.

As you embark on this exciting challenge, we encourage meticulous documentation of your design and making journey. Keep a diary and journal your experiences, successes, and learning moments, while taking plenty of photos of your process from start to finish!

To celebrate your extraordinary creativity, all light projects will be showcased at an exhibition at the end of the academic year (date to be confirmed). We eagerly anticipate entries from across our vibrant school community!

Should you have any questions, please feel free to reach out to Mr Tovey or Mr Franklyn at [dt@biltongrange.co.uk](mailto:dt@biltongrange.co.uk). We look forward to seeing your dazzling 'light' project entries soon! Enjoy this challenge and let your creativity shine brightly!

**Closing Date: Friday 28<sup>th</sup> February 2025 – End of Day**