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*We all had a great time –  
see you next year!*

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# Colour Experience



Educational and entertaining workshops for  
learners in secondary, further and higher education

Learn about the science behind light and colour  
Create colour using specialist techniques  
Explore how we perceive colour

“...both the activities and the providers...have delivered the highest quality outcomes for the students. As a school we always look to foster long term partnerships and we have developed collaborative programmes that meet our whole school themes of Enterprise, Innovation and Creativity and Community Cohesion. We'll be back!”

Filming of the BBC ONE Show at the Colour Experience



“ Another lovely trip! The children had a wonderful time. Thank you very much ”



SDC is the world's leading independent educational charity dedicated to advancing the science and technology of colour worldwide.

Central to our work is the Colour Experience. We work with people of all ages introducing them to the joy and science of colour through workshops, talks, residencies and online resources.

Visit the Colour Experience and choose from a range of workshops and presentations:

## Workshops

**Industrial Dyeing** – working in the laboratory, learn about W H Perkin and the emergence of the commercial chemical industry, modern textile industry dyeing methods and fastness testing, and apply natural and synthetic dyes to fabric to compare the results.

**Natural Dyes** – make your own dyes using everyday ingredients and experiment with mordents – substances used to set dyes – to create a range of colours; begin to explore some of the environmental issues related to fashion and sustainable textiles.

**Dyeing** – experiment mixing dyes to create a unique colour palette and apply your design using a range of resist techniques such as batik and tie-dye.



“ *Perfect for our needs* ”

**Printing** – design a block or screen print, using design principles and craft techniques in the print application to create a successful artwork; learn some of the historical background of printing and examine real print artefacts.

**Light & Colour** – learn about the science behind light and colour, covering aspects of physics, biology and chemistry including the electro-magnetic spectrum, visual perception and colour theory, and chemi-luminescence.

## Presentations

**Can You Believe Your Eyes?** – a fun and interactive presentation covering visual perception and illusion, colour theory and design.

**Seeing Colour** – an introduction to the physics, biology and evolution of colour vision and an interactive colour vision test for participants.

**Understanding Colour** – a presentation covering colour theory and the history of colour knowledge, including many interesting colour factoids.

**Get Up and Glow** – a presentation covering the chemistry of light and colour, including a glowing demonstration of chemi-luminescence.



*“Quality of the workshop was outstanding... answered all the questions the learners asked in a very clear way... kept all the learners thoroughly engaged throughout the whole session”*

## Outreach

All of the presentations and versions of the workshops (depending on available facilities) can also be delivered at your site.

## Bespoke Workshops

It is possible to tailor the workshops to include different themes or projects, eg t-shirt printing, technical textiles, sustainable textiles. Please contact us for more details and to discuss your needs.

## Learning Resources

**Multifibre** – As mentioned on the Salters' Advanced Chemistry website, this material combines strips of six different fibres and can be used for a variety of dyeing and fastness testing experiments.

**Metameric Samples** – A simple and effective educational tool used by the global textile industry to show 'illuminant metamerism', eg when two fabrics appear the same when viewed in daylight but under store lighting appear different.

Please contact us if you would like more details about our learning resources.

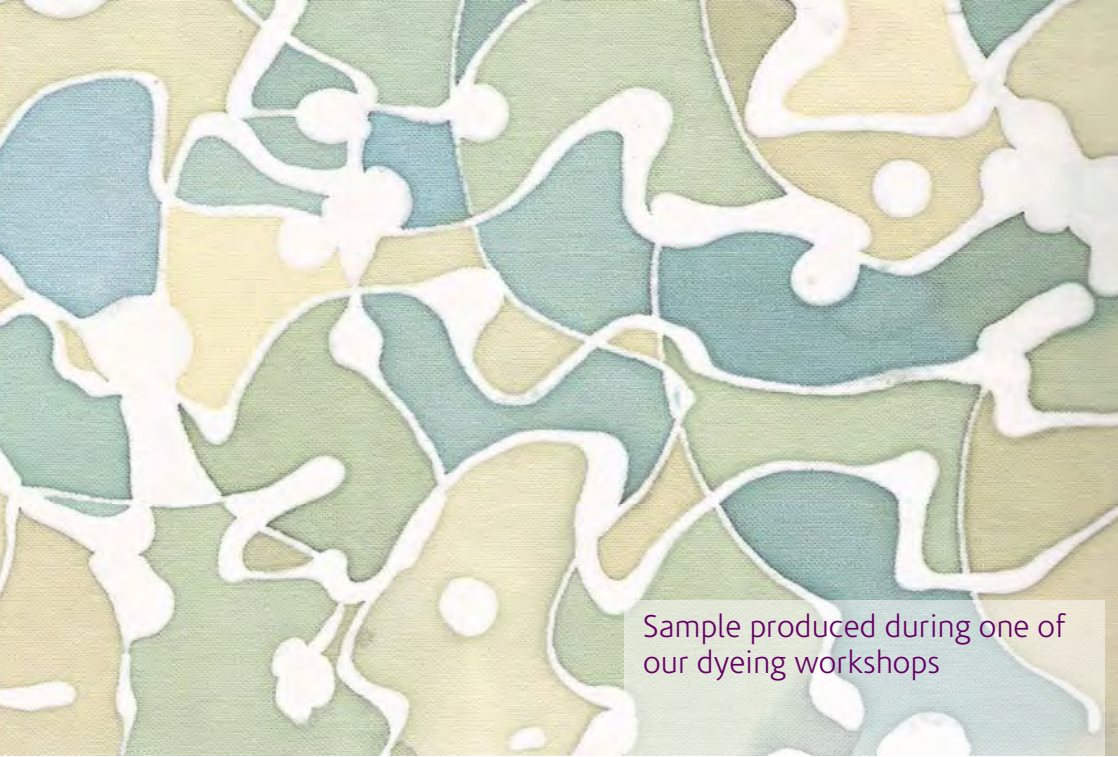


## Tours

Visitors can also take a guided tour of our gallery of interactive exhibits, experiencing and experimenting with light, colour and vision, and take a free colour vision test. Tours are free when booked in conjunction with a workshop.

### A visit to Colour Experience offers:

- Fun and interactive learning experience – learners are encouraged to participate in hands-on activities and presentations and to experiment for themselves
- Cross curricular exploration – can cover a range of subjects in one workshop eg science, arts, history, geography, sustainability and the environment
- Qualified and friendly staff – experienced working with and meeting the needs of schools and groups, including special educational needs and individual learning styles
- Specialist facilities using equipment and materials used in industry and crafts - enabling deeper learning and facilitating an increased engagement in subjects and raised attainment



Sample produced during one of our dyeing workshops

## How to book

Sessions take place over a morning, afternoon, or full day visit. We only take one group at a time, so we can cater to your group's specific needs.

For further information, or to make a booking please contact us:

**T: 01274 725138**

**E: [colour-experience@sdc.org.uk](mailto:colour-experience@sdc.org.uk)**

Or complete and return a booking form available to download from our website [www.sdc.org.uk](http://www.sdc.org.uk)

## Opening times

Monday – Friday 10.00am to 4.00pm





## Prices

£5 per learner per workshop (no charge for staff or helpers)

£2 per learner per guided tour, or free when booked with a workshop

NB Prices may increase slightly for bespoke workshops to cover costs of any additional materials

## Location

Colour Experience

1 Providence Street

Bradford BD1 2PW

W: [www.sdc.org.uk](http://www.sdc.org.uk)

Activities and workshops are also available for primary school groups and teachers – please contact us for more details.

SDC gratefully acknowledges funding from the Cotton Industry War Memorial Trust