Proposals for a course of chemical experiments: with a few to practical philosophy, arts, trades, and business / [Peter Shaw].

Contributors

Shaw, Peter, 1694-1763.
Hauksbee, Francis, 1687-1763.

Publication/Creation

[London] : [publisher not identified], [1731]

Persistent URL

https://wellcomecollection.org/works/kz5cfdkr

License and attribution

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
https://wellcomecollection.org

London, *May* 12. 1731.

PROPOSALS

For a COURSE of

CHEMICAL EXPERIMENTS:

With a View to

Practical Philoſophy, Arts, Trades, *and* Buſineſs.

By *PETER SHAW*, M. D.

AND

FRANCIS HAUKSBEE.

Chemistry

To begin on Monday Decr. 6. 17

THE Deſign of this COURSE is not only to exhibit and explain the common *Operations of Chemiſtry*; but alſo to deliver, in ſeveral *Sets of Experiments*, and ſuitable *explanatory Lectures*, what we apprehend conducive to the Advancement of the Art itſelf, the Promotion of Natural Knowledge, the Illuſtration and Improvement of many other Arts, and the Diſcovery of new Properties in Bodies, that point out new Manufactures and Works.

The General Heads *of the* COURSE *are as follow.*

I.

SOME Account of the *various conſtituent Parts of the Terraqueous Globe*; with its Furniture of *Elements* and *Bodies*. The Practicability of making an uſeful *Chemical Enquiry* into them, is ſhewn by a Variety of *Examples*.

II.

An *Enquiry* into the Nature, Properties, Office and Uſe of FIRE; whether Celeſtial, Culinary, or Subterraneous; in order to diſcover its Effects on the Atmoſphere, and Bodies of the Terreſtrial Globe; ſo as to afford a Rule for the Management, and Regulation of *artificial Fires* in *Chemiſtry*, and human Works.

III.

An Experimental *Enquiry* into the Ingredients, Nature, Office, and Uſe of the ATMOSPHERE; in order to account for the Changes therein, the Effects it produces on the Terreſtrial Globe, and particularly in *Chemical Operations*.

IV.

A particular *Enquiry* into the *Contents of the* TERRESTRIAL GLOBE, or the different Matters whereof it conſiſts: With a View to diſcover the Cauſe of the Earth's Fertility, its Production and Suſtentation of Vegetables, Animals and Minerals; and the Ways of Promoting, Imitating, and Regulating theſe *natural Operations.*

V.

A *Chemical Examination* of WATERS, to manifeſt their Contents, their Natures and their Uſes to the Earth, and all Vegetable, Animal and Mineral Subſtances; but particularly to *Man.*

VI.

A *Set of Experiments* to illuſtrate and improve the extenſive Doctrine of MENSTRUUMS; or the Buſineſs of adapting *Solvents* to all Kinds of Bodies.

VII.

Experiments to diſcover the Nature and Uſes of *Fermentation* and *Putrefaction* in the Syſtem of the World; as they are the natural *intermediate Operations* for converting one Body into another.

VIII. *Gene-*

VIII.

General Intimations and *Examples* of the Suitableneſs of *Chemical Experiments* to the farther Improvement of *Natural Philoſophy*, *Arts*, *Manufactures*, and the Inveſtigation of the *Cauſes of Things:* With the Rules for conducting ſuch Experiments, in the regular Way of an *Art*.

IX.

Practical Attempts for a juſt Method of Analyſing all Vegetable, Animal and Mineral Subſtances, or reſolving them into a few diſtinct and uſeful PRINCIPLES: With the Reaſons of the Difficulties attending ſuch Attempts.

X.

Experimental Inſtances of a juſt *Recompoſition* in Bodies: With a View to render *Synthetical* as perfect as *Analytical Chemiſtry*.

XI.

Experiments upon the Growth and Curation of *Vegetables*, to illuſtrate and improve the *Arts* thereon depending.

XII.

Experiments to illuſtrate and improve the *Arts* depending upon vegetable *Fermentation*.

XIII. *Ex-*

XIII.

Experiments to illuſtrate and improve the *Arts* depending upon *Diſtillation.*

XIV.

Experiments to illuſtrate and improve the Ways of procuring *Oils* and *Salts.*

XV.

Experiments to illuſtrate and improve ſeveral *Arts* depending upon the Uſe of *Salts* and *Oils.*

XVI.

Experiments for illuſtrating and improving the *Arts* depending upon *Colours*, *Dyes*, and *Stains.*

XVII.

Experiments to ſhew the beſt Ways of preparing *Medicines.*

XVIII.

Experiments for illuſtrating and improving *Minerology* and *Metallurgy.*

XIX.

Experiments for introducing Ways of working in *Chemiſtry*, witnout *Fire* or *Furnace.*

XX. *Ex-*

XX.

Experiments relating to *Gunpowder*, *Explosions*, and the various *Phosphori*; with the uncommon Doctrine they point out.

XXI.

A Set of *Leading Experiments*, to promote a Discovery of *new Improvements*, *new Arts* and *Manufactures*.

The Charge of going this COURSE *is Five Guineas to each Subscriber: One Guinea to be paid down, and the rest on the first Day of the Course.*

The COURSE will begin, as soon as Twenty shall have subscrib'd.

SUBSCRIPTIONS are taken in by FRANCIS HAUKSBEE, in *Crane-Court*, *Fleetstreet*, *London*.

Advertiſement.

THE Experiments of this Courſe will be made upon a new PORTABLE FURNACE, whoſe Structure renders it readily convertible into all the various *Furnaces* in Uſe: Whence 'tis not only ſuited to the making of *Chemical Experiments*, but likewiſe to the *Preparation of Chemical and Pharmaceutical Medicines*; ſo as to anſwer Family Occaſions, and a moderate Call of Buſineſs. But for a farther Account of this *Furnace*, we refer to the ESSAY lately publiſh'd upon it.