




**Centre objectives**

- ▶ House the UK's largest accessible collection of STEM teaching and learning resources.
- ▶ Bring together STEM partners with a shared mission to support STEM education, thus supporting the government's STEM cohesion programme.




**DIRECT SUPPORT:**

- ▶ Physical library
- ▶ eLibrary
- ▶ Communications hub for teachers

**INDIRECT SUPPORT:**

- ▶ Central location for STEM events
- ▶ STEM Associates facilities
- ▶ Government's STEM Programme

**Areas of Centre activity**



**Physical library**

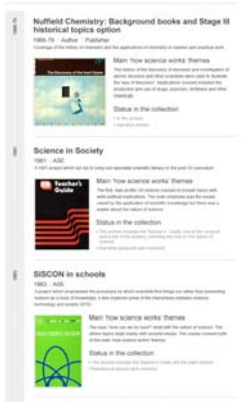

- ▶ 11,000+ books
- ▶ 600 software titles
- ▶ 200 DVDs
- ▶ 400 gadgets
- ▶ 90 journals
- ▶ 500 posters





**The 'archive'**

- ▶ Sustainability
- ▶ Treasure chest
- ▶ Curriculum development for the future

Information on an archive theme with key projects in chronological order

The narrative illustrates where each project influenced / built on other work, and how ideas about teaching STEM subjects have developed with time.



[www.nationalstemcentre.org.uk](http://www.nationalstemcentre.org.uk)



Collections feature prominently on new homepage

### Signposting website

- ▶ National & regional views
- ▶ Helping STEM partners reach teachers & lecturers, and vice versa



[www.nationalstemcentre.org.uk/elibrary/](http://www.nationalstemcentre.org.uk/elibrary/)

- ▶ Phase One: online resource collections
- ▶ Phase Two: personalised experience for visitors to the eLibrary
- ▶ Phase Three: community functionality

**eLibrary – online infrastructure for the STEM education community**

*A place for teachers and STEM education organisations to collaborate, share ideas and resources, and engage in online professional development.*



**Phase One: 30 collections for launch on 8 July, 2010**


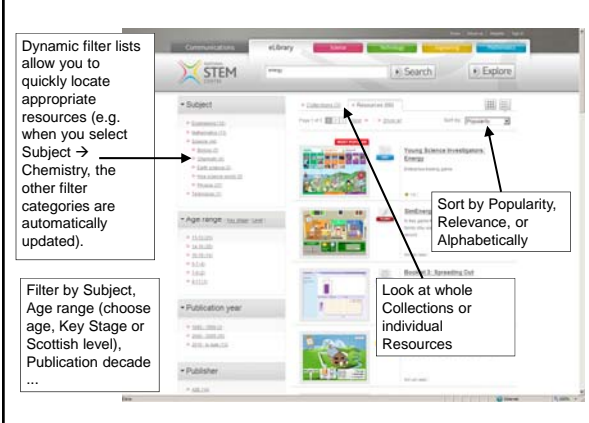
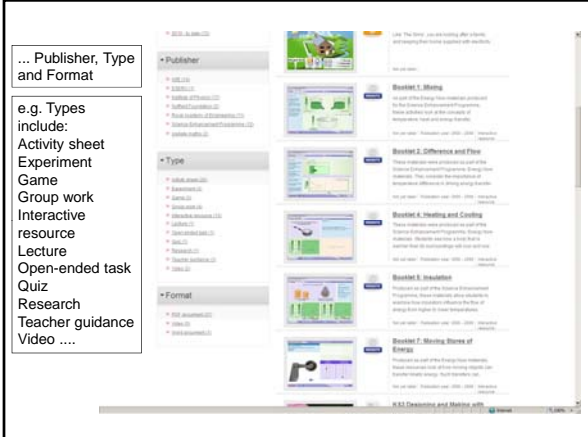
Browse only collections in a major subject area if you prefer

An individual collection...

... individual resource...

- ▶ The eLibrary search engine looks at every piece of text associated with the resource (title, description, and for print materials the whole document).
- ▶ Results are returned by relevance (e.g. Is the search term in the description or title? How often does the search term appear?).

**Searching**






... Publisher, Type and Format

e.g. Types include:  
 Activity sheet  
 Experiment Game  
 Group work  
 Interactive resource  
 Lecture  
 Open-ended task  
 Quiz  
 Research  
 Teacher guidance  
 Video ....

- ▶ As the eLibrary gets to know you it will recommend resources based on your previous searches, and searches that people with a similar profile have undertaken.
- ▶ You will receive your recommendations through a 'dashboard' when you sign in.
- ▶ The dashboard also remembers what resources you've looked at, and lets you note these – and materials from anywhere on the web – into your favourite lists (e.g. 'my favourite experiments for KS3 chemistry').
- ▶ You can keep your lists private or share them, be put in touch with other teachers with similar lists and so on – to build your own community of practice with technicians that share your interests.

**Recommendations**




- ▶ A community space to share ideas and resources - collaborate across the UK and internationally.
- ▶ Use open groups to share ideas and resource materials with everyone in the community. Your own resources come into their own.
- ▶ Use closed groups for professional development, for group discussions, one-to-one, sharing resources (print and multimedia), and so on.
- ▶ ... and many other uses driven by the needs of the STEM education community, the real 'owners' of the STEM eLibrary infrastructure.

**Coming soon...  
Phase Three**

