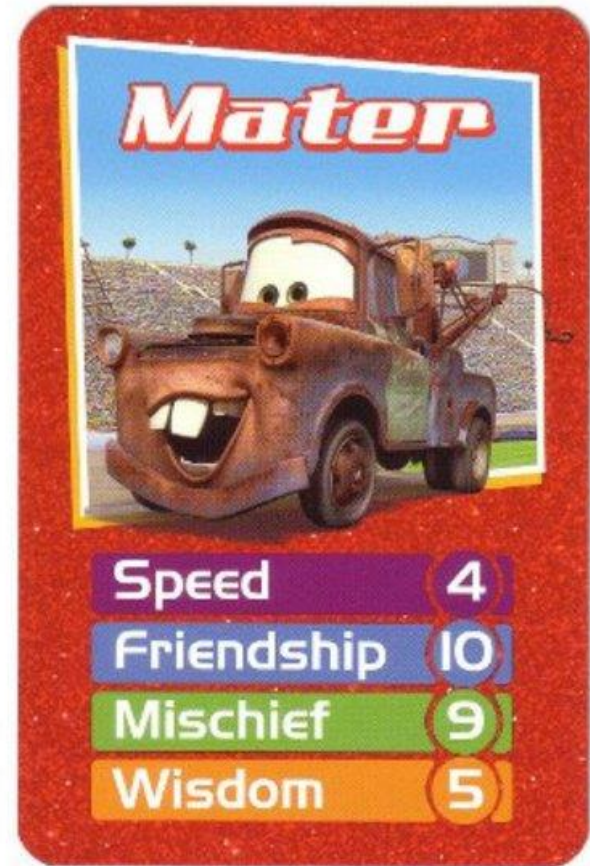# Using Real World Databases

LIBRARY SYSTEMS

▶ **Top Trumps.**

▶ They are an example of a paper database

▶ Each record has different fields

Last week we created … ›

- **Are an organized collection of information that can be searched and sorted.**

Databases

›

In this lesson

► You will investigate different ways that libraries organize and catalog their books.

(Using Databases)

Libraries

► Using an index card system to catalog books

Using the Index Card System

» If one index card represents one book (record)

» What information (fields) might be written on that index card?

» ISBN Number, Title, Author,

» How is author written?

Create an Index Card

Create Index Cards for your favorite books. 3-4 should be enough

ISBN Number: 55343

Title: The Magician's Nephew

Author: Lewis, CS

Genre: Adventure

Location in library : Shelf F2

Index Cards

How do we know how many books (records) we have?

How do we sort the books (records) into order?

How do we search the books (records)?

What dangers can you see with having all your information stored on index cards?

- Cards could get lost

- Cards could get damaged or ripped

- Cards could be put in the wrong order

- Can't change the information on the card

Index Card System
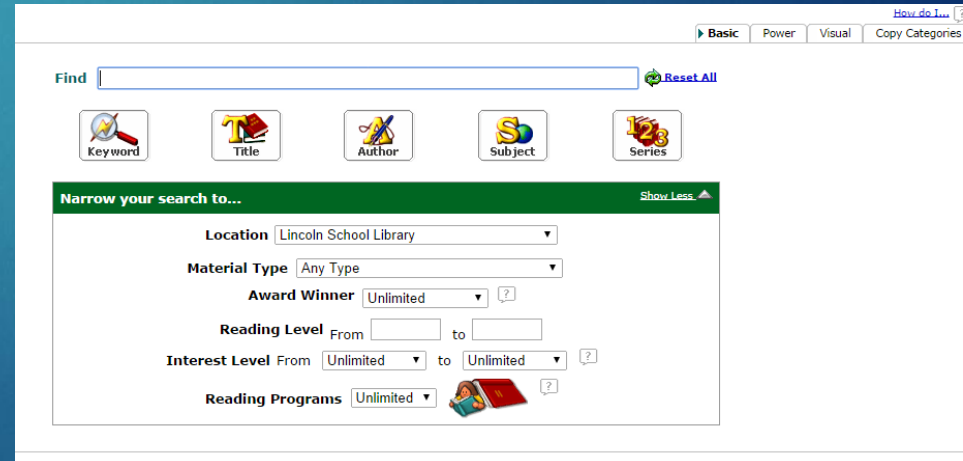
The computerized solution

Libraries now store the records of books in a computerized database.

We can search this database using a computer.

We can also find records by browsing by type

https://emlib.ent.sirsidynix.net.uk/client/en_GB/nelib/

Searching an Online Library Database

Filter the search to children's materials
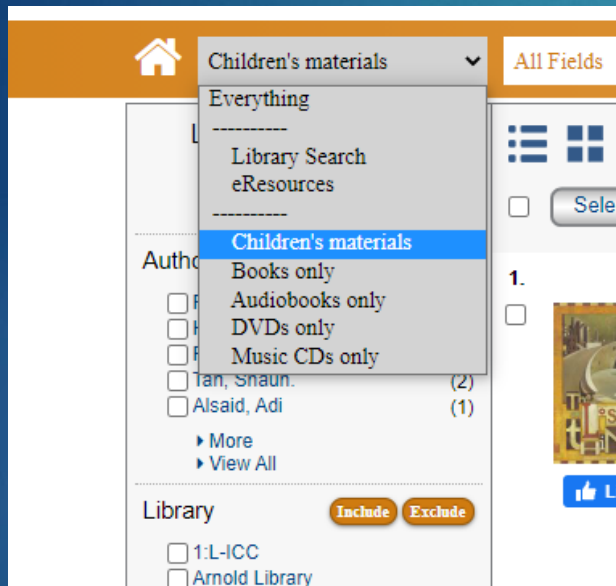
See if you can find some of your favorite books!

Search by title

Can you find the answers to these questions using the online database?

- How many books can you find written by Roald Dahl?

- How many books have the word Cat in the title?

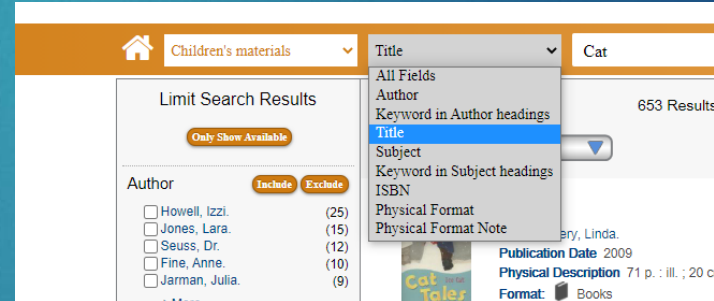- Which books have been written by Jermy Strong?

- Search for the book Arthur's computer disaster

- Who wrote the book?

- What year was it published?

- How many pages does it have?

- What is its ISBN number?

- How is the computerized library database different to the index card system?

- In what ways is it better?

- Are there anyways in which it is not as good?

- Apart from books is there anything else that you can think of that could be stored in the computerized database?

Plenary

›