# Open Educational Resources: A Fact Sheet for Adult Educators

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## The 5Rs\*

Another way to think about OER is through the Five R Framework, developed by David Wiley. It supports a deeper understanding of what it means to consider an object (i.e., resource) an OER.

1. **Retain** – the right to make, own, and control copies of the content
2. **Reuse** – the right to reuse the content as verbatim or in its unaltered form
3. **Revise** – the right to adapt, adjust, modify, or alter the content itself
4. **Remix** – the right to combine the original or revised content with other content to create something new
5. **Redistribute** – the right to make and share copies of the original content, your revisions, or your remixes with others

*\** *This material is based on original writing by David Wiley, which was published freely under a Creative Commons Attribution license at:* <http://opencontent.org/blog/archives/3221>

What are Open Educational Resources (OER)?

OER are teaching, learning, and research resources **that reside in the public domain** or have been released under an **intellectual property license that permits sharing, accessing, repurposing** (including for commercial purposes), and **collaborating with others**.

Adult educators use ***free*** resources to enhance teaching and learning that may not be OER. A resource is ***open*** when it can be revised or remixed with other open resources or self-generated content to produce new material that directly targets adult learners’ needs.

Some key values of OER:

* are abundant, customizable, free, and convenient to integrate into lessons
* help meet the demand for high-quality content while enhancing instructional practices and student learning
* help students achieve their learning goals by providing flexible and accessible supplements to instruction
* encourage lifelong learning habits in students and also help educators do their job better by augmenting instruction and helping teachers learn about new topics

Where are OER found?

OER Commons

[www.oercommons.org](http://www.oercommons.org/)

Merlot

[www.merlot.org/merlot/index.htm](http://www.merlot.org/merlot/index.htm)

Creative Commons Search

<http://search.creativecommons.org>

National Science Digital Library

<https://nsdl.org/>

What are some types of OER?

* Activities
* Lesson Plans
* Videos and Podcasts
* Simulations
* Games
* Images and Illustrations
* Applications (apps)

To learn more visit:

OER Research Hub

**<http://oerresearchhub.org/>**

* Assessments
* Full courses
* Online textbooks

**http://upload.wikimedia.org/wikipedia/commons/thumb/6/63/OER_Logo.svg/200px-OER_Logo.svg.png**

OER in Action

## How to Use OER?

## Classroom Scenario

You are teaching Mathematics to Intermediate HiSET students. Some students are struggling with proportional reasoning so you decide to plan a lesson.

While searching for materials, you find an almost perfect lesson plan as an OER. However, you would like for students to work in groups so that they have opportunities to discuss what they are doing and thus develop their reasoning and critical thinking skills. You rewrite the lesson plan because it is an OER.

Another problem you notice is that there are no extension activities to challenge students who are more advanced. You add some optional activities, including some OER, to extend the learning and meet student needs.

Image adapted from Wikimedia Commons, the free media repository

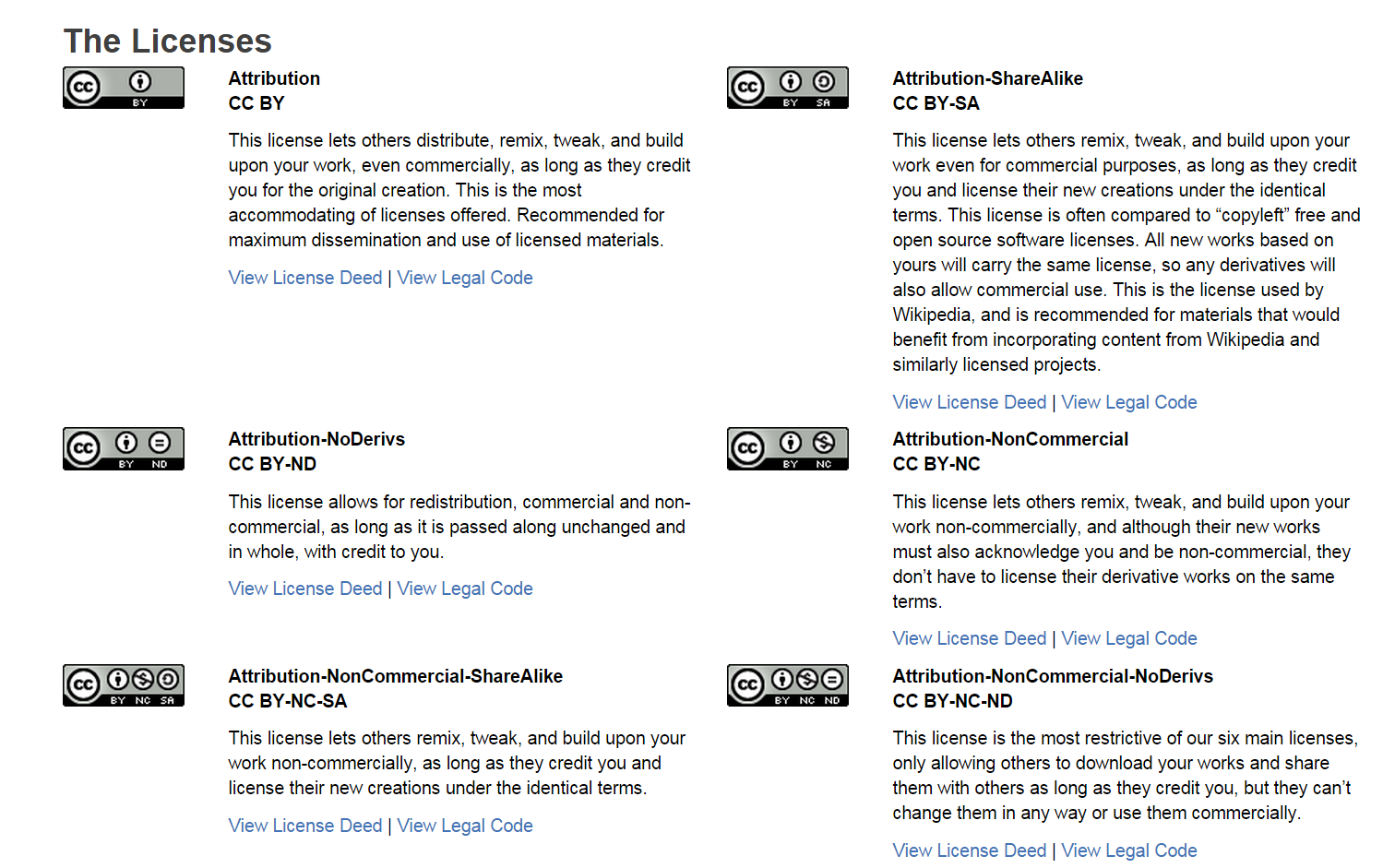
**[](http://creativecommons.org/licenses/by/4.0/) Searching for Open Education Resources (OER)?**

**“The hands-on activities and resources I located through OER Commons greatly enhanced my students’ learning experiences. It showed them a practical use for math, and encouraged them to see their own abilities to understand something by which they’d been intimidated for most of their lives”**

**— Adult Educator**

One effective strategy for finding OER is to use OER repositories, such as OER Commons. Using effective Internet search strategies will narrow down the results list. Check out [these tips from Connie Rivera](http://techtipsforteachers.weebly.com/blog/effective-internet-searching) on *Tech Tips for Teachers*. Join online communities and subscribe to blogs and mailing lists.

**What are open licenses?**

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