RESOURCES PROFILE:
Selected Resources on Rubrics and Lesson Plans

EVALUATION

- ☑ **Outstanding**
- ☐ **Very Good**
- ☐ **Satisfactory**
- ☐ **Unsatisfactory**

About the Resource Center

The Resource Center for CareerTech Advancement is a division of the Oklahoma Department of Career and Technology Education, located in Stillwater, Oklahoma. The staff of the Center research educational materials and best practices to disseminate throughout the state CareerTech system. The Resource Center also provides support in identifying curriculum, assessments, professional development and other instructional delivery resources on request.

www.okcareertech.org

OVERVIEW

A rubric is a grading tool that explicitly states the expectations for an assignment or item of work. It separates the activity or work into its component parts or attributes and describes the characteristics of each part or attribute along a scale of mastery levels. A common format for a rubric is a table that lists the grading criteria in one column, with the other columns identifying the various levels of performance and the score for each level. A description explains each performance level. A rubric may specify a single point value for each level of performance/achievement, a range of points, or no points (if the rubric is intended to provide feedback only).

Grading rubrics are a helpful tool in self-directed learning, whether in print or digital form. Rubrics are often the basis for assignment or activity evaluation and are a part of the assignment or activity. You can search online for sample rubrics for almost any subject or activity. You can also create them yourself using an online rubric generator or even a blank sheet of paper. Benefits of rubrics include:

- Provide learners and others (such as parents and employers) with expectations in advance.
- Improve feedback to learners.
- Help to evaluate higher-order skills or complex activities.
- Encourage learners to become self-directed.
- Encourage learner self-assessment.
- Remove subjectivity from grading (and reduce disagreements with learners).
- Make grading easier and reduce the time required for grading.
- Can help motivate learners by providing a standard in advance of performance.
- Allow for consistent grading by different teachers or evaluators.
- Encourage teachers to reflect upon their content and prioritize what they want learners to achieve.

Media Resources

1. **Teaching Channel designing rubrics video**

   https://www.teachingchannel.org/videos/designing-rubrics

   A short video in which a Geometry teacher works through designing a rubric with her class.

Websites & Documents

2. **Assessment and Rubrics—Kathy Schrock**

   http://www.schrockguide.net/assessment-and-rubrics.html

   Rubrics and rubric generators from the popular "Kathy Schrock's Guide to Everything" site.

3. **Buck Institute for Education rubrics**

   http://www.bie.org/objects/cat/rubrics

   Rubrics for various topics and grade levels from the nonprofit organization that focuses on project-based learning.

4. **Tips for Designing and Using Rubrics**

   https://www.edutopia.org/blog/designing-using-rubrics-andrew-miller

   Tips and guidance from the edutopia blog.

5. **Rubrics Primer**

   https://www.cultofpedagogy.com/holistic-analytic-single-point-rubrics/

   A primer on holistic, analytic, and single-point rubrics.

6. Creating and Using Rubrics for Assessment

https://wwwcs.uwstout.edu/soe/profdev/rubrics.cfm

A variety of rubrics from the University of Wisconsin-Stout, including presentation rubrics; social media project rubrics; discussion, teamwork and group work rubrics; e-portfolio and web page rubrics; video and multimedia project rubrics; writing rubrics; research process rubrics; math and science rubrics; and tools for creating rubrics.

7. Collaboration Rubric

https://www2.uwstout.edu/content/profdev/rubrics/secondaryteamworkrubric.html

A ready-to-use rubric on aspects of teamwork from the University of Wisconsin-Stout.

8. Secondary Rubrics

https://wvde.state.wv.us/teach21/SecondaryRubrics.html

Rubrics on a range of secondary subjects from the West Virginia Department of Education.

9. Major Essays Rubrics

http://hhs-english.weebly.com/writing-rubrics.html

Rubrics about the writing process and about specific types of essays: argumentative essay, narrative essay, compare-and-contrast essay, and others.

10. UEN K-12 Core Lesson Plans

https://www.uen.org/k12educator/corelessonplans.shtml

Lesson plans for CTE courses and core courses from the Utah Education Network.

11. Next Gen Lesson Plans

http://www.ngsslifescience.com/biology_lesson_plans.html

Free lesson plans in the following subjects:

- Animal Science
- Cell Organelles & Transport
- Cellular Respiration & Photosynthesis
- Evolution & Natural Selection
- DNA, RNA Protein Synthesis
- Ecology
- Genetics, Mitosis & Meiosis
- Human Body Systems
- Microorganisms, Viruses, Bacteria
- Proteins, Lipids, Carbohydrates
- Plant Science
- Scientific Method

12. The Science Behind Our Food lesson plans

http://extension.uga.edu/programs-services/science-behind-our-food.html

Lesson plans from the University of Georgia Extension on subjects such as biology, chemistry, environmental science, food science, physical science, and physics.

13. NAAE "Teach Ag" Lesson Plans, Games and Activities

https://www.naae.org/teachag/teachag_lessons.cfm#hs

Ideas and resources from the National Association of Agricultural Educators.

14. Ohio Agriscience Lesson Plans

https://eric.ed.gov/?id=ED454416

Lesson plans for an eight-unit competency-based course in agriscience. Each lesson plan contains some or all of the following items: unit title; competency/terminal performance objective; competency builders/pupil performance objectives; list of applied academics competencies covered in the lesson; list of necessary equipment, supplies, references, and other resources; intended student audience; recommended teaching procedures (interest approach/teaching methods) cross-referenced to specific directions for teachers; one or more problem-based learning activities along with worksheets, handouts, and other materials required for lessons; guidelines for helping students apply concepts, principles, and skills; suggestions for evaluating student learning; and data record and observation sheet. The unit topics and selected lesson topics are as follows: (1) agricultural safety (maintain a safe work environment, apply safe work habits); (2) research technology (use scientific method to solve problems; use the English and metric systems to measure objects); (3) environmental science (manage soil, investigate factors affecting nitrates in groundwater); (4) business technology (maintain business records, examine the role of marketing); (5) plant science (explain plant chemical processes); (6) animal science (determine animals' nutritional requirements); (7) mechanical power; and (8) personal development.

15. Georgia Agricultural Education Curriculum

http://www.gaaged.org/curriculum/

Includes lesson plans, class starters, and more.

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