**The Biotechnology Teacher Job Description**, Ellyn Daugherty, www.BiotechEd.com, 2017

Ellyn’s Philosophy:

* + Any good science teacher has the background to teach biotechnology courses.
  + The biotechnology teacher is expected to learn as his/her biotech students do (using text, lab manual, IGs, websites, professional development).
  + There is a lot of curricular and professional support for novice and veteran biotechnology teachers (Bio-Link, NABT, NSTA, SMBCP, BiotechEd.com, other local regional groups/programs)
  + The Biotechnology teacher network is growing FAST and is a nurturing one. A biotechnology teacher should want to be a part of it (contribute and participate).
  + Every good program is a success because of the teacher(s) who runs it. Pick a teacher that has passion, enthusiasm, and desire to keep learning and sharing that knowledge.

**The Biotechnology Teacher Job Description**

To plan, organize and implement a biotechnology instructional program that guides and encourages students to develop basic applied biology and chemistry laboratory skills and concepts while preparing to work in an adult research environment in either an academic or corporate setting.

Main Job Tasks and Responsibilities

(Modified from http://www.best-job-interview.com/teacher-job-description.html)

* Plan, prepare and deliver an approved scope and sequence for the biotechnology course(s)/program
* Plan, prepare and deliver daily instruction including laboratory and computer activities that build student laboratory skills and proficiencies
* Encourage independence in student work as well as working in teams, as appropriate.
* Manage the biotechnology laboratory classroom including all material orders, storage, stocks, waste, and equipment management.
* Identify and select different instructional resources and methods to meet students' varying needs.
* Use relevant laboratory, computer, and presentation technology to support instruction.
* Observe and evaluate student's performance and development in light of the goal of independent and team laboratory skills and work production.
* Assign, grade, keep records of, and give meaningful feedback on all student work and productivity including, employee soft skills such as attendance, punctuality, participation, and skill development including lab work, homework, tests, assignments, workplace experiences.
* Maintain all necessary records accurately and completely as required by laws, district policies and school regulations.
* Prepare required documents and reports on students, activities, and curriculum.
* Manage student behavior in the classroom and at a work site by establishing and enforcing appropriate rules and procedures.
* Organize (where appropriate) and participate in biotechnology program advisory committee meetings, department and school meetings, parent, and student meetings.
* Communicate regularly to students, colleagues, mentors, advisors, and parents regarding student progress and student needs.
* Keep up to date with developments in subject area, teaching resources and methods and make relevant changes to instructional plans and activities

Education and Experience

* Bachelors degree or higher from an accredited institution
* Meet professional teacher education requirements of school, district, state
* Single subject teaching credential (or other appropriate certification)
* Relevant teaching and/or industry experience
* Knowledge of relevant industry/technology

Key Qualities

* Enthusiasm and passion for hands-on laboratory instruction
* Self motivation, initiative, self-directed, and life-long learning
* Problem-solving strategies, flexibility, and adaptability
* Organization, long and short-term planning
* High standards and quality control
* Excellent record-keeping and attention to detail
* Verbal and written communication skills