

EPCTC ENVIRONMENTAL AND LIFE SCIENCES PROGRAM

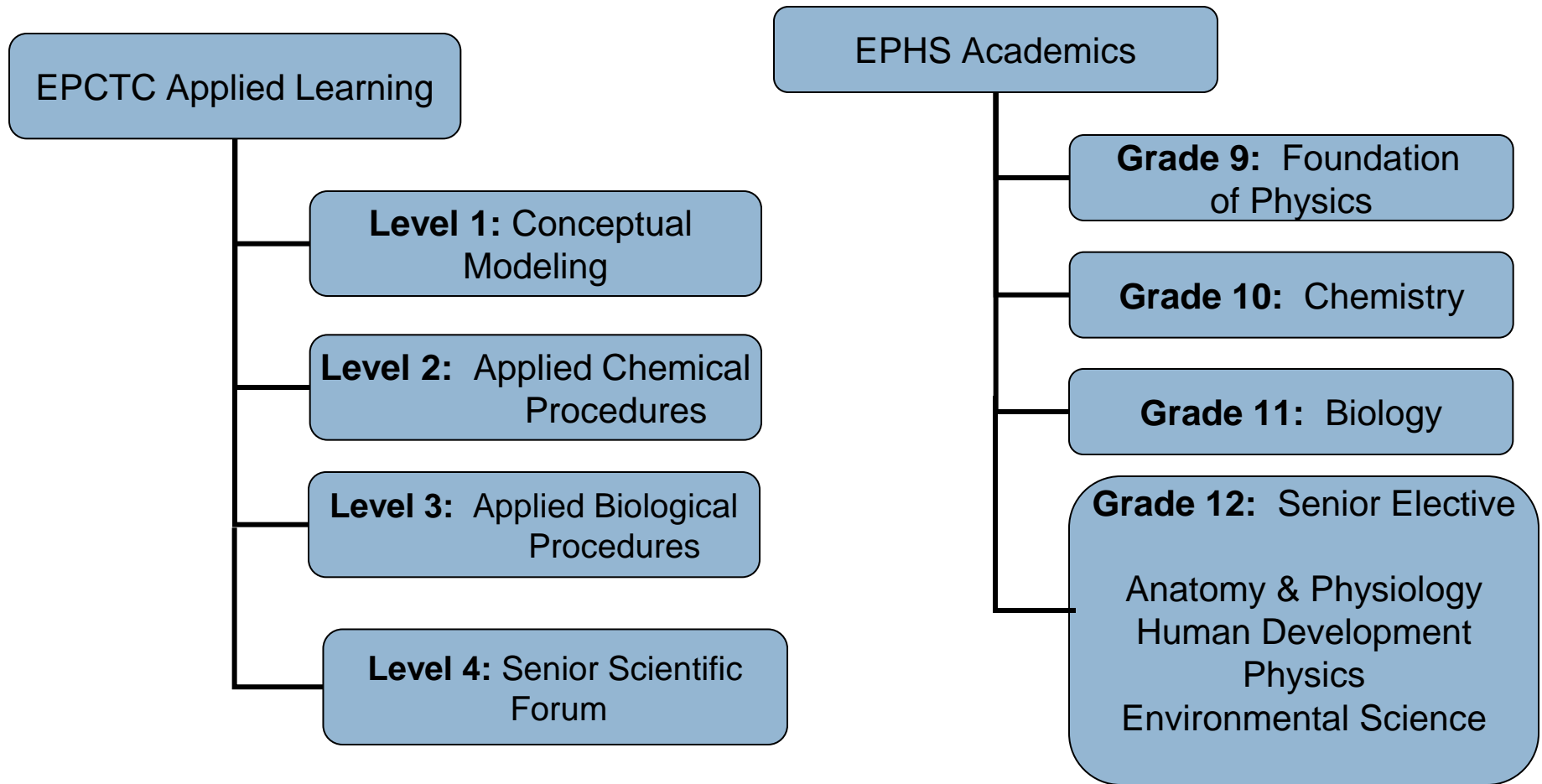
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EPCTC Environmental and Life Sciences Program Articulation

Pathways of Traditional and Applied Sciences



Level 1: Conceptual Modeling



- Fundamental concepts for science and technical careers
- Laboratory experiments
- Interactive computer models

- RI-ITEST open courseware and other applications developed by Concord Consortium - no cost involved

Level 2: Applied Chemical Procedures

- Applied chemical procedures using RI-ITEST open courseware with laboratory workshops to mirror theory instructed in academic pathway
- Partnerships with local and state agencies in health and science industries to provide:
 - ▣ Internships
 - ▣ Job shadows
 - ▣ Employment
 - ▣ New Partnership: Estrada Recycling Company \$5,000

Level 3: Applied Biological Procedures



- Microbiology protocols and techniques
- RI-ITEST and other Concord Consortium applications
- Environmental and life science molecular techniques
- Fundamental skills development specific to health science careers directly transferable to clinical, environmental, and academic research settings
- Articulation to post-secondary institutions with credit transfer

Level 4: Student Practicum



- Certification achievement
- Scientific forum presentations
- Senior field studies
- Health science internships
- Employment

All options dependent on student's chosen field of study

Potential Articulation Credits

- Technology
- Science
- Fourth math
- Student Practicum may fulfill Senior Project requirements