Table 1. Potential rock suites

Geologic Setting	Possible Localities	Pedagogical Rationale
Ophiolite and mid-ocean ridge	Bay of Islands or Oman, Dredge Samples	Ocean crust, partial melting fractional crystallization, low-grade metamorphism
Continental Arc Magamtism	Aleutians, Cascades	Hydrous partial melting, magma mixing, assimilation, volcanic-plutonic relations
Layered mafic intrusions	Stillwater, Sonju Complex	Fractional crystallization, differentiation, cryptic layering, magma chamber dynamics
Barrovian metamorphism	Dutchess County, NY; Northern Idaho	Phase equilibria, geothermal gradients, PTt deformation paths, microstructures
Contact metamorphism	Alta stock, Christmas Mountain	PTX, fluids, prograde and retrograde reactions, Schreinemakers rules
High P/T metamorphism	Franciscan, Greece	Subduction zones, mafic rocks, geodynamics, reaction textures
Granulite/migmatite terrain	Adirondacks, Central Massachusetts/New England	Prograde metamorphism, dehydration reactions, partial melting, migmatites
Ultra-high P/T metamorphism	Alps, China	Continental subduction, mineral inclusions, refractory phases, geodynamics