Teaching Population: Activities for the NEXT GENERATION

WORKSHOP DESCRIPTION:

The Next Generation Science Standards (NGSS) are changing the way science is taught. In this secondary workshop, Montgomery County teachers will learn how to use human ecology and related environmental, social, and political issues to meet Next Generation Science Standards. During the workshop, teachers will participate in active demonstrations of Population Education lesson plans and walk away with an NGSS-aligned curriculum CD.

The workshop will cover many NGS standards but focus primarily on the following:

Middle School:
Typically as human populations and per-capita consumption of natural resources increase, so do the negative impacts on Earth unless the activities and technologies involved are engineered otherwise. (MS-ESS3-3), (MS-ESS3-4)

All human activity draws on natural resources and has both short and long-term consequences, positive as well as negative, for the health of people and the natural environment. (MS-ESS3-1), (MS-ESS3-4)

High School:
The sustainability of human societies and the biodiversity that supports them requires responsible management of natural resources. (HS-ESS3-3)

Humans depend on the living world for the resources and other benefits provided by biodiversity. But human activity is also having adverse impacts on biodiversity through overpopulation, overexploitation, habitat destruction, pollution, introduction of invasive species, and climate change. Thus sustaining biodiversity so that ecosystem functioning and productivity are maintained is essential to supporting and enhancing life on Earth. Sustaining biodiversity also aids humanity by preserving landscapes of recreational or inspirational value. (HS-LS4-6)
DRIVING DIRECTIONS

From Washington Beltway (I-495)

Take Exit 31 (Georgia Avenue) or Exit 33 (Connecticut Avenue) North past Rossmoor Leisure World globe. Turn left on Norbeck Road (Route 28). At next traffic light, turn right onto Muncaster Mill Road (Route 115). Go 1.5 miles to Meadowside Lane at top of hill. Turn left into park and then right at L.E. Smith Center sign.

From I-270

Exit 9 onto I-370 going East toward the Metro. Take the Shady Grove Road East exit. Pass Midcounty Highway. Take a right onto Muncaster Mill Road. After Avery Road traffic light, turn right at Meadowside Lane into park and turn right at the L.E. Smith Center sign.

Lathrop E. Smith Center

5110 Meadowside Lane
Rockville, MD 20855

301-924-3149