

# CBF Education and State Standards

*A day at Clagett Farm gives students 21<sup>st</sup> Century Skills so they are college & career ready*



## Maryland College & Career Ready Standards

Field activities on the farm program address these standards:

RST.9-10.4 & 11-12.4	Map and chart activities
SL1	Map and chart activities; water quality and land use discussions
SL4 Math.S-ID.1, 2,6	Visiting grass fed cows, present food route to the group
RST. 9-10.3 & 11-12.3	Soil testing with colorimetric tests
Govt CLG 1.1 B 1.1.4	Action project discussions; nutrient discussions

\*This activity can meet more standards if the class uses data collected during the field experience for follow-up classroom lessons that are available at [www.cbf.org/activities](http://www.cbf.org/activities).



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**DC Greens** has given CBF's Clagett Farm their stamp of approval, saying that "Farms also bring school subjects alive in a tangible way. Lessons in science, math, nutrition, and history are found in the farm's food webs, the geometrically planted rows, the farm fresh snacks, and the three sister's plantings. Farm field trips cultivate food literacy within our students so that they may make informed food choices that support their health, the environment, and their local economy."

Approved programs:

- Actively engage students in hands-on learning (planting, harvesting, tasting, smelling)
- Expose students to a wide variety of plant and animal species
- Serve as an extension of the classroom, rooted in educational standards
- Draw the connection between plants on the farm and food on our plates.



*The Washington Post* story from 2011 quotes: "Manoranjan Kaur, a Surrattsville High School chemistry teacher, took notes at an experiment that showed how different land uses affect runoff into the bay. A similar experiment, she learned, could be performed at school with buckets and water. 'There's so much that we can do with these lessons...I'm eager to take them back to the classroom.'"

As we look ahead, CBF is working to stay on top of education topics that our audience deals with on an everyday basis. Here is a quote from a teacher on a CBF professional development course:

*"With Next Generation standards and the STEM initiatives both coming to the forefront of education, I felt that Chesapeake Bay Foundation has a good grasp of where science education is headed."*



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