Data Tells a Story! Learning, Creating and Developing Environmental Report Cards

MSDE Approved: CPD: 21-67-22C **2 CPDs** $149.00

No prerequisites needed. You do not have to be a Science Teacher to take this course. Course is fully self-paced with videos, key points, knowledge checks, and activities. Printable classroom lessons for you to take away. Grading is based on five module assessments and one final assessment. Passing grade is 80%.

This self-paced online course offered by the University of Maryland Center for Environmental Science, the state's leader in Environmental Science, will share the easy to learn techniques that our scientists use to help make your students better science communicators, is designed for any learner with an interest in effective data presentation and science communication. Learn the skills you need so that your students communicate like our scientists using the very familiar format of a report card. Socio-environmental report cards are the tool used to synthesize data into stories to both inform and engage. Walk away with a Student Action Project for your classroom, so they can learn to grade and provide an environmental report card of their own.

What you'll learn:
- How to compare and contrast different environmental approaches and socio-environmental report cards.
- How to critique the different approaches used in environmental assessments and socio-environmental report cards.
- How to create image-rich socio-environmental report cards that are accessible to a wide and diverse audience.
- How to create a reporting framework for a case study to generate a socio-environmental report cards.
- How to produce appealing graphs and charts that avoid 'chart junk' or 'map clutter'.
- How to craft a narrative using the 'and, but, therefore' template.
- How to develop a best-practice compelling science communication.

Module 1:	Module 2:	Module 3:
• What are Report Cards? • Why Report Cards? • Report Card Application • From Qualitative to Quantitative • Distilling Data • Incorporating New Indicators • Evaluation of Report Card Impacts	• Report Card Process • Enabling Conditions • Stakeholder Analysis • Project Planning 1 • Project Planning 2 • Workshop Planning • Facilitation and Engagement	• Identifying Values and Threats • Identifying Indicators • Indicator Qualities • Defining Thresholds • Calculating Scores and Grades • Gaining Stakeholder Consensus
Module 4: • Communication strategies • Communicating Results • Designing Report Cards • Stakeholder-led Approach • Optimizing Collaborations • Systems Modelling	**Module 5:** • Communication strategies • Communicating Results • Designing Report Cards • Stakeholder-led Approach • Optimizing Collaborations • Systems Modelling	UMCES courses will include student learning activities developed by Project WET!

This course runs 6/19/2023 – 8/31/2023 at your own pace. Courses will be offered Summer, Fall, Winter & Spring.

You may **pre-register for this course by submitting the form here: https://forms.gle/KobGdRW6SsbeT49x7**