NEW CYBERSECURITY & COMPUTER SCIENCE COURSES

INTRODUCTION TO CYBERSECURITY (HS)

What do we need to do to keep ourselves safe online? How can we protect our identities and the devices we use? What are others doing online that could cause me harm? These questions and more are discussed in the Introduction to Cybersecurity course to help you lead a safer cyber existence. This 20-week, EduTech-developed course introduces **high school** students to cybersecurity concepts and inspire interest in cybersecurity careers. The hands-on labs utilize the CYBER.ORG Range, which is a no-cost cyber range for all K-12 educators. This **20-week, 1/2 credit course** partially fulfills cybersecurity requirements under HB 1398 (one full unit is required). MIS03: 27280

COST, COURTESY OF A DPI GRANT
NDSOS MEMBERS PAY $109 $109–119 PER STUDENT

LEARNING IN A DIGITAL WORLD: DIGITAL CITIZENSHIP (MS)

We use technology to communicate with friends and family, find never-ending entertainment options and do our schoolwork. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts. This **20-week middle school** course fulfills cybersecurity requirements under HB 1398. MIS03 27010; districts must still develop an integration plan, which may include but must not be limited to this course.

COST, COURTESY OF A DPI GRANT
NDSOS MEMBERS PAY $109 $109–119 PER STUDENT

ELEMENTARY TECHNOLOGY SUITE

These courses enable students to develop basic computer science and cybersecurity skills through engaging and age-appropriate content by exposing them to concepts such as problem-solving and algorithms, security/privacy/copyright, computer programming basics, and keyboarding skills. The courses also **integrate** health and language arts standards with topics in each grade about safety and health (online and offline), bullying/cyberbullying, and being a responsible citizen/digital citizen.

- K-2: In addition to exposure to the above content, students will learn block-based coding in offline environments.
- Grades 3-5: Students will build upon coding concepts in online coding environments and complete research on adaptive technology, social media, and robotics. The research will require students to evaluate reliable and relevant websites, organize data, receive and implement feedback, and produce a digital artifact.

These grade-specific courses are designed to be covered in 20 to 40 weeks and fulfill HB 1398 requirements. The course can be offered to individual students or entire classrooms. Thanks to an **NDDPI grant**, districts may extend these courses to a full 40 weeks at **no additional charge**. MIS03s 03200-03205; districts must still develop an integration plan for elementary, which may include but must not be limited to these courses.

COST, DEPENDING ON DISTRICT SIZE
& NDSOS MEMBERSHIP $229–259 PER STUDENT

All courses are taught by a NDCDE instructor with the required state cybersecurity and computer science credentials. Classes will be available beginning August 15, 2023 through the NDCDE store: https://store.cde.nd.gov/, along with existing computer education options.