

CISCO ACADEMY

CCNA INTRODUCTION TO NETWORKING – 415

Graded: Conventionally Grade: 10-12
Time Frame: Semester Credit: 0.5

Students will learn the fundamental concepts of networking, and then immediately apply this knowledge to the configuration of a router and switch. By the end of the course, students will have enough knowledge to set up a network environment that has multiple subnets over multiple virtual LANs (VLANs), use network address translation (NAT) to connect to the Internet, and hand out IP addresses automatically.

The CCNA Introduction to Networking Credential is open to students from all three high schools. **Students who participate will travel to the Emerald Campus.**

CCNA ROUTING AND SWITCHING – 416

Graded: Conventionally Grade: 10-12
Time Frame: Semester Credit: 0.5

As enterprises migrate toward controller based architectures, the role and skills required of a core network engineer are evolving and more vital than ever. To prepare for this network transition, the CCNA Routing and Switching certification will not only prepare students with the knowledge of foundational technologies, but ensure they stay relevant with skill sets needed for the adoption of next generation technologies.

The CCNA Routing and Switching Credential is open to students from all three high schools. **Students who participate will travel to the Emerald Campus.**

NDG LINUX ESSENTIALS – 417

Graded: Conventionally Grade: 10-12
Time Frame: Semester Credit: 0.5

NDG Linux Essentials is an introduction to Linux as an operating system, basic open source concepts and the basics of the Linux command line. Content developed by experts, a Linux virtual machine and step-by-step labs give students hands-on access to practice Linux command line concepts.

The NDG Linux Essentials Credential is open to students from all three high schools. **Students who participate will travel to the Emerald Campus.**

Cisco Academy

Hard Outcome

Completion of this pathway will lead to the completion of 7 Cisco courses and the potential to earn 2 Cisco certification-aligned credentials.

Period	Grade 9		Grade 10		Grade 11		Grade 12	
	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester
Period 1	English I		English II		English III		English IV	
Period 2	Algebra 1		Geometry		Algebra 2		Pre-Calculus	
Period 3	Physical Science		Biology		Chemistry		Physics	
Period 4	Modern World History		US History		US Govt	Global Politics	Personal Finance	Fine Arts
Period 5	World Language I		World Language II		World Language III		World Language IV	
Period 6	Phys. Ed.	Fine Arts	Intro to Networking	Routing and Switching	Scaling Networks	Connecting Networks	Intro to CyberSecurity	CyberSecurity Essentials
Period 7	Phys. Ed. (Summer)	Health (Summer)	Linux Essentials	Student Tech Internship	Student Tech Internship		Student Tech Internship	

Please direct questions to Emerald Campus director, Kristy Venne (venne_kristy@dublinschools.net)