



COMPLESSO SCOLASTICO INTERNAZIONALE

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Programma Annuale

ISTITUTO: *Istituto Tecnico Informatico e Telecomunicazioni*

CLASSE: *V*

MATERIA: *Inglese*

Modulo n° 1	Contenuti Cognitivi
TELECOMMUNICATIONS	<ul style="list-style-type: none">• <i>Sending information</i>• <i>First communication systems radio, telegraph and telephones</i>• <i>Analog and digital communication</i>• <i>Always on connections: digital telephone connections</i>• <i>Binary numbers</i>• <i>Advantages of digital: the shift towards the digital world.</i>• <i>Digital recording</i> <p>LISTENING (CD'S BOOK) AND VIDEOLINKS</p> <ul style="list-style-type: none">• <i>Youtube: "Analog vs digital as fast as possible" (Teckquickie)</i> <hr/> <ul style="list-style-type: none">• <i>Wire media most common conductors</i>• <i>Coaxial cable and fiber optic cable</i>• <i>Impairments to radio transmission</i>• <i>Satellite communications</i>
TRANSMISSION METHODS: NETWORK CABLES	<p>LISTENING (CD's BOOK) AND VIDEOLINKS</p> <p><i>Youtube: "the history of the telephone (CNET)</i></p> <p>MOVIELINK</p> <p><i>"The e-Waste Tragedy by Cosima Dannoritzer"(2014)</i></p>

Modulo n° 4	Contenuti Cognitivi
<p>THE WEB</p>	<ul style="list-style-type: none"> • <i>Web Apps</i> • <i>The language of the Web</i> • <i>Evolution of the web</i> • <i>Creating a website</i> • <i>Search engine optimization (SEO)</i> • <i>E-commerce and the cashless society</i> • <i>Streaming services</i> • <i>Human computer interaction</i> • <i>Web 4.0</i> <p><i>CULTURE “Use the internet safely”</i> <i>“The tip of the iceberg”</i></p> <p><i>VIDEOLINKS</i> <i>youtube: “What is a Web App? ”Web App vs NativeApp?</i> <i>“HTLM5 as fast as possible?”</i> <i>“Top 10 most popular websites”</i> <i>“Make technology work for everyone:</i> <i>introducing digital accessibility”</i></p> <p><i>MOVIELINK: Transcendence by Wally Pfister (2014)</i></p> <p><i>SUMMING UP: DIGITAL MAP</i></p> <p>-----</p> <ul style="list-style-type: none"> • <i>Surfing and communicating the net Google, Yahoo</i> • <i>Social networks: Facebook, Instagram, Twitter, LinkedIn</i> • <i>Video sharing: youtube advantages and risks: VoIP (voice over internet protocol)</i> • <i>Communicating online</i> • <i>Blogging a popular internet activity</i> • <i>Shopping and business online: cloud computing</i> • <i>The internet online technologies push and pull</i>
<p>THE INTERNET ONLINE SERVICES</p>	

	<p><i>technologies</i></p> <p>VIDEOLINKS Youtube “ Let’s talk about social media” “ The dangers of the Internet”</p> <p>LISTENING E-mail writing Podcasts Netiquette Instagramming</p> <p>MOVIELINK “The social network” by Mark Zuckerberg “ The Circle by James Ponsoldt(2017)</p> <p>CULTURE: Social and ethical problems of IT Online dangers</p>
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Modulo n° 5	Contenuti Cognitivi
AUTOMATION	<ul style="list-style-type: none"> • <i>What is automation?</i> • <i>Advantages of automation</i> • <i>Programmable logic controller</i> • <i>Automation at work</i> • <i>How a robot works</i> • <i>Varieties and uses of robots</i> • <i>Robots in manufacturing</i> • <i>Artificial intelligence and robots</i> • <i>Robot fact and fiction</i> <p>SUMMING UP:DIGITAL MAPS</p> <p>VIDEOLINKS :youtube” The big debate about the future of work explained”</p>

Modulo n° 7	Contenuti Cognitivi
THE WORLD OF I.T <i>Issues of discussion</i>	<ul style="list-style-type: none"> • <i>Key skills: 21st century skills</i> • <i>Career profiles: professional profiles</i> • <i>A new technology :robotic process automation the drones: ENAC</i> • <i>The impact of technology nowadays.</i> • <i>Malware: a threat for your computer</i> • <i>The Curriculum Vitae: What the CV should contain</i>

