

Principles of Information Technology

YAG 2024-2025

ICEV

Content/Grade: Principles of Information Technology / Jr High School

1st 9 Weeks: Approximately 46 days

Scope & Sequence	Lesson Title	TEKS	Days of Teaching*
Module 1: Career Exploration & Development in Information Technology			
1	Formulas for Career Success: Career Testing & Investigation	2.B.i	8
2	Jobs, Careers & Education	2.B.ii; 2.B.iv	10
3	Exploring Careers: Information Technology	2.A.i; 2.A.ii; 2.B.i; 2.B.ii; 2.B.iii; 2.B.iv	10
4	Information Support & Services	2.A.i; 2.A.ii; 2.B.i; 2.B.ii; 2.B.iii; 2.B.iv	2
5	Network Systems	2.A.i; 2.A.ii; 2.B.i; 2.B.ii; 2.B.iii; 2.B.iv	2
6	Programming & Software Development	2.A.i; 2.A.ii; 2.B.i; 2.B.ii; 2.B.iii; 2.B.iv	2
7	Web & Digital Communications	2.A.i; 2.A.ii; 2.B.i; 2.B.ii; 2.B.iii; 2.B.iv	2
8	Safe Working Environment	1.F.i; 1.F.ii	3
9	Business Ethics	13.A.i; 13.A.ii; 13.A.iii; 13.A.iv; 13.B.i	3

2nd 9 Weeks: Approximately 47 days

Module 2: Technology in the Workplace			
10	Workplace Technology	3.B.i; 3.B.ii; 3.B.iii; 4.B.i; 5.E.i	6
11	Telecommunications Basics	6.A.i	3
12	Emerging Technologies	3.A.i; 3.A.ii; 3.A.iii; 3.A.iv	5
13	Introduction to Computers	4.A.i; 4.A.ii; 4.C.i; 4.C.ii; 5.A.i; 5.C.i	5
Module 3: Computer Programming & Operating Systems			
14	Principles of Computer Programming	5.D.i; 5.D.ii; 9.A.i; 9.A.ii; 9.B.i; 9.C.i; 9.C.ii; 9.D.i; 9.E.i; 9.E.ii; 9.F.i; 9.F.ii	6
15	Operating Systems & Networking	5.B.i; 5.B.ii; 5.B.iii; 5.B.iv; 5.F.i; 5.G.i; 5.H.i; 5.H.ii; 6.A.ii; 6.B.i; 6.B.ii; 6.C.i; 6.D.i	4
16	Windows 10 Operating System Basics (Units 1 through 5)	5.G.i; 5.H.i; 5.H.ii	7

3rd 9 Weeks: Approximately 41 days

Module 4: Internet Usage & Safety			
17	Internet Basics	3.C.i; 3.C.ii; 3.D.i; 3.E.i; 3.E.ii; 3.E.iii	5
18	Web Ethics & Safety	3.F.i; 3.G.i; 13.A.iii; 13.A.iv; 13.B.i; 13.C.iv; 13.C.v; 13.C.vi; 13.D.i; 13.E.i; 13.E.ii; 13.F.i	9
19	Web Ethics & E-Issues	13.A.i; 13.A.ii; 13.A.iii; 13.A.iv; 13.B.i; 13.C.i; 13.C.ii; 13.C.iii; 13.C.iv; 13.C.v; 13.C.vi; 13.D.i; 13.E.i; 13.E.ii; 13.F.i	6
20	E-Ethics	13.C.i; 13.C.ii; 13.C.iii	4
21	Computer Worms & Viruses	5.I.i; 5.I.ii; 5.I.iii	3
22	Microsoft® Outlook 2016 Basics (Units 1 through 6)	3.B.i; 3.B.ii; 3.B.iii; 3.B.iv	14

4th 9 Weeks: Approximately 37 days

Module 10: Web Development			
31	Building & Maintaining a Website	12.A.i; 12.A.ii	4
32	Web Authoring Software & Languages	12.A.i; 12.A.ii; 12.D.i; 12.D.ii; 12.E.i	5
33	Web Names & Registration	12.A.i; 12.A.ii	3
34	Web Content	12.A.i; 12.A.ii; 12.B.i; 12.B.ii; 12.C.i; 12.C.ii	4
Module 11: Personal & Professional Development			
35	Management of Energy, Money & Tasks	1.G.i; 1.G.ii	6
36	Employability Skills	1.A.i; 1.A.ii; 1.A.iii; 1.A.iv; 1.A.v; 1.A.vi; 1.A.vii; 1.A.viii; 2.B.i	5
37	Decision Making	1.D.i; 1.D.ii	4
38	Leadership Styles	1.B.ii; 1.E.i	5