

# MSBCS – 6<sup>th</sup>– 8<sup>th</sup> Grade AKS

## 6th Grade AKS – Current

<b>Keyboarding</b>	
1) Develop keyboarding skills by touch with speed and accuracy 6CS.A.1	a) Demonstrate proper keyboarding techniques 6CS.A.1
<b>21<sup>st</sup> Century Skills</b>	
2) Develop and model employability skills 6CS.B.2	a) Demonstrate employability skills such as teamwork, problem-solving, and organizational skills 6CS.B.2
3) Develop an individual career plan reflecting personal traits and beliefs 6CS.B.3	
<b>Computer Applications</b>	
4) Apply basic word processing skills to documents 6CS.C.4	a) Identify and utilize formatting and editing tools 6CS.C.4.a
5) Utilize a spreadsheet application 6CS.C.5	a) Insert a formula to calculate data 6CS.C.5 b) Generate a graph or chart 6CS.C.5.b
6) Utilize a database application 6CS.C.6	a) Use database tools to manipulate data 6CS.C.6
7) Utilize desktop publishing software 6CS.C.7	a) Create, edit, and manipulate a desktop publishing document 6CS.C.7
8) Design and produce a multimedia Presentation 6CS.C.8	a) Identify and insert a variety of media
<b>Internet and Safety</b>	
9) Demonstrate computer safety and file maintenance. 6CS.D.9:	a) Create and manage files 6CS.D.9.a b) Follow safety procedures in the use of computers 6CS.D.9.b
10) Discuss internet safety and security issues. 6CS.D.10	a) Understand dangers associated with the Internet in general 6CS.D.10
11) Utilize the internet as a resource. 6CS.D.11	a) Discuss internet resources and copyright laws 6CS.D.11.a
<b>Information Systems</b>	
12) Classify computer system components. 6CS.E.12:	a) Identify and define the key functional components (input and output devices, hardware vs. software, etc.) 6CS.E.12.a

# MSBCS - 7<sup>th</sup> Grade AKS

## Current

<b>Keyboarding Skills</b>	
1) Build and expand proficiency in keyboarding 6CS.E.12.a	A) Identify and demonstrate appropriate technique 7CS.A.1.a
<b>21st Century Skills</b>	
2) Demonstrate employability skills 7CS.B.2	A) Describe the effect of attitude on employability 7CS.B.2.a B) Investigate workplace expectations 7CS.B.2.b:
3) Examine pathways to a successful career in Business and Computer Science 7CS.B.3	A) Investigate occupational interests based on criterion (such as: education, salary, trends, opportunities) 7CS.B.3.a B) Summarize why people work 7CS.B.3.b C) Identify careers associated with business and multimedia applications 7CS.B.3.c:
<b>Computer Applications</b>	
4) Utilize word processing software to create, edit and manipulate word processing documents 7CS.C.4	A) Demonstrate use of formatting, editing, and graphic terminology and tools 7CS.C.4.a B) Retrieve, edit, and manipulate documents 7CS.C.4.b
5) Utilize spreadsheet software to create, edit and manipulate spreadsheet documents 7CS.C.5	A) Insert formulas to produce desired outcomes 7CS.C.5.a B) Manipulate charts and graphs 7CS.C.5.b
6) Utilize database software to create, edit and manipulate a database 7CS.C.6	A) Apply appropriate tools to organize data 7CS.C.6.a B) Retrieve specified information 7CS.C.6.b
7) Utilize multimedia software to create, edit and manipulate a multimedia presentation 7CS.C.7	A) Incorporate a variety of media and associated terminology 7CS.C.7.a B) Identify the uses of multimedia software 7CS.C.7.b
8) Utilize software related to web page design to plan and design a webpage 7CS.C.8	A) Explain web page terminology including elements of a web page 7CS.C.8.a B) Summarize why companies use web pages 7CS.C.8.b
<b>Programming</b>	
9) Design a given program to demonstrate understanding of basic programming concepts 7CS.D.9	A) Identify programming languages and terminology 7CS.D.9.a B) Utilize brainstorm techniques to solve a problem 7CS.D.9.b
<b>Internet and Safety</b>	
10) Investigate internet safety, privacy and information accuracy 7CS.E.10:	
11) Distinguish between ethical and unethical behaviors when using the internet 7CS.E.11	
12) Distinguish among various types of networks 7CS.E.12	A) Identify careers that create or manage networks 7CS.E.12.a B) Compare LAN vs. WAN 7CS.E.12.b
<b>Intro to Business</b>	
13) Identify concepts and fundamentals of entrepreneurship and business ownership 7CS.F.13	

# MSBCS - 8<sup>th</sup> Grade AKS

## Current

<b>Keyboarding Skills</b>	
1) Build and expand proficiency in keyboarding 8CS.A.1	
<b>21st Century Skills</b>	
2) Use various computer applications to demonstrate effective communication skills in the business world 8CS.B.2	A) Identify how technology differs in various cultures 8CS.B.2.a B) Explain the importance of proper etiquette and workplace expectations 8CS.B.2.b
3) Demonstrate the ability to problem solve by working through a process 8CS.B.3	A) Utilize brainstorming techniques to emphasize the importance of creativity in problem solving 8CS.B.3.a:
4) Exhibit critical thinking to make informed cohesive judgments 8CS.B.4	
<b>Business Foundations</b>	
5) Examine basics of accounting and personal finance utilizing a spreadsheet 8CS.C.5	A) Apply spreadsheet tools and features. 8CS.C.5.a B) Analyze data represented in a spreadsheet. 8CS.C.5.b C) Identify differences between accounting and personal finance 8CS.C.5.c
6) Examine the basics of entrepreneurship while utilizing a variety of software applications and multimedia tools 8CS.C.6	A) Define entrepreneurship and identify necessary traits of a successful entrepreneur 8CS.C.6.a B) Formulate a business opportunity based on personal interest, hobbies and or skill set 8CS.C.6.b C) Identify the common types of business ownership (sole proprietorship, partnership and corporation) 8CS.C.6.c
<b>Information Systems</b>	
7) Investigate types of networking and Internet access 8CS.D.7	A) Define key terms such as servers, LANs, dial-up, wireless, DSL and cable broadband 8CS.D.7.a
<b>Internet and Safety</b>	
8) Differentiate between civil and criminal law as related to Internet safety and computer crimes 8CS.E.8	A) Describe how ethics impact a business environment (copyright, security, theft, viruses) 8CS.E.8.a
<b>Marketing</b>	
9) Examine the basics of marketing using web and desktop publishing applications 8CS.F.9	A) Describe the four elements of the marketing mix (product, place, price, promotion) 8CS.F.9.a B) Design a web page utilizing multimedia tools to implement the concepts of the marketing mix 8CS.F.9.b C) Explain the importance of target market and research relative to demographics 8CS.F.9.c
10) Utilize multimedia software to create, edit and manipulate a multimedia presentation 8CS.F.10	A) Identify careers that utilize multimedia software 8CS.F.10.a: B) Identify multimedia terminology 8CS.F.10.b
11) Utilize software related to web page design to plan and design a webpage 8CS.F.11	A) Identify web page terminology 8CS.F.11.a B) Generate animations, photos, or graphics to enhance a webpage 8CS.F.11.b:

	C) Summarize why companies use the internet/web pages 8CS.F.11.b:
<b>Careers</b>	
12) Use technology to investigate 21 <sup>st</sup> century computer related career opportunities 8CS.G.12	
<b>Financial Literacy</b>	
13) Demonstrate an understanding of economics using different types of software applications 8CS.H.13	A) Examine the role that supply and demand has on price 8CS.H.13.a: B) Differentiate between products and services in a market economy 8CS.H.13.b