K-4 TECHNOLOGY PACING GUIDE | NORTHFIELD COMMUNITY ELEMENTARY SCHOOL

Kindergarten

September	October	November	December	January
PC Log-in Mouse Skills Cup Stacking Design Challenge Navigating Virtual Environments	Intro to Digital Art Keyboarding Awareness Intro to Word Processing Navigating Virtual Environments	Digital Photography Classroom Photo Scavenger Hunt Digital Art ABCYa.com PaintGO Keyboarding Awareness Navigating Virtual Environments	Computer Parts Healthy Eating Habits & Nutrition Keyboarding Awareness Hour of Code Navigating Virtual Environments	Word Processing Suggestion: Student names Sight words Keyboarding Awareness Navigating Virtual Environments

February	March	April	May	June
Word Processing Sight Word Sentences Keyboarding Awareness Math Valentines Navigating Virtual Environments	Collaborative Classroom Connections Intro to Cyber Safety Keyboarding Awareness Navigating Virtual Environments	Digital Tools - share ideas & "story" Digital Art ABCYa.com PaintGO Keyboarding Awareness Navigating Virtual Environments	PC log-in Skills Review Navigating Virtual Environments Poster with Google Docs Engineering is Elementary: Insects (Hand Pollinators)	Math Connection Intro to 3D Printing Navigating Virtual Environments Keyboarding Assessment

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Grade 1

September	October	November	December	January
Paper Laptops & Computer Components "Technology in my Life" Project Intro to Chromebooks Keyboarding Awareness	Fall Words project using MS Word Introduction to Google Docs & Slides PC Logins / Cyber Safety Navigating Virtual Environments (esp. online research)		"Our Winter Words" Online Multimedia Project Navigating Virtual Environments Hour of Code Keyboarding Awareness	Keyboarding Assessment Navigating Virtual Environments Assessment "All About You…" Classmate Interviews

February	March	April	May	June
"Do You Know How Much I <3 You" Project Keyboarding Awareness Navigating Virtual Environments	Navigating Virtual Environments Digital Art: Spring Picture Keyboarding Awareness Cyber Safety Project	Engineering is Elementary: Earth Materials (Designing Walls) Word Processing with MS Word / Google Docs Collaborative Classroom Connections Keyboarding Awareness Navigating Virtual Environments		Collaborative Classroom Connections (cont'd) Designing Simple Machines Keyboarding Assessment

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Grade: 2

September	October	November	December	January
Google Apps & Google Classroom Setups Keyboarding Software Introduction Online Collaborative Class Partner Introductions	PC Logins / Word Processing Projects Cyber Safety Engineering is Elementary: Solids & Liquids (Make Play Dough) Introduction to Spreadsheets		Problems We Can Solve Together Blog Hour of Code Spreadsheets & Graphing	Spreadsheets & Graphing Design Thinking Project Keyboarding Assessment

February	March	April	May	June
Presentation Software (Intermediate) Doodle for Google & Presentation Introduction to 3D Design	Engineering is Elementary: Balance & Forces (Designing Bridges) Word Processing Projects: Acrostic Poetry (Intermediate) Intellectual Property: Copyrights & Trademarks		"If I Ruled the World" Project Second Grade Memories Map Skills	"The Three Best Things About Me" Word Processing Project Keyboarding Assessment

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Grade: 3

September	October	November	December	January
Google Apps & Google Classroom Setup Keyboarding Software Review & Pre-Test Acceptable Use Word Processing Core Skills Review	"Technology & Me" Google Docs Project Halloween Candy Spreadsheet Project (MS-Excel)	Spreadsheets Assessment "What does it mean to be 'Cyber Safe?'" Collaborative Project	Hour of Code PARCC "User Interface" Preview/Review	Engineering is Elementary: Air & Weather (Windmill Design)

February	March	April	May	June
Drops on a Penny STEM Challenge Organizing Your H: Drive Files & Folders (PC)	"Design Team Simulation" Troubleshoot & Repair "Should Birch Grove Park Be Developed?" Research Inquiry	"Should Birch Grove Park Be Developed?" Presentation 3D Design & Print Challenge	Engineering is Elementary: Aerospace Engineering (Designing Parachutes)	Third Grade Memories Project Keyboarding Assessment

K-4 TECHNOLOGY PACING GUIDE | NORTHFIELD COMMUNITY ELEMENTARY SCHOOL

Grade: 4

September	October	November	December	January
Tech Literacy Assessment Pre-Test Keyboarding Pre-Test Google Classroom Setups Acceptable Use	Introduction to Design Thinking Internet Research Online Collaborative Writing & Drawing Project: "Monster Exchange"	Online Collab. Project (cont'd) Design Thinking and 3D Design Tools Spreadsheet Project (Holiday Shopping)	Spreadsheet Project (Holiday Shopping cont'd) Hour of Code	Spreadsheet Project (finish) 3D Design Presentation/Brief

February	March	April	May	June
Multimedia Digital Story / Collaboration on local problem or issue, e.g.: Current events Usage of digital devices School lunch Recycling Extending the school day		"All About Us" Intro to Databases Engineering is Elementary: Human Body (Designing Knee Braces)	Online Maps: Estimating Distance/Safest Routes Engineering is Elementary: Materials Engineering (Replicating an Artifact)	Tech Literacy Assessment Post-Test Keyboarding Assessment