Touchpad

Bhawna Sharma

Touchpad Plus Ver. 1.1 Class 3 Nisha Batra,2022-07-01 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Fun Zone: contains variety of exercises to reinforce the concepts. ? Let□s Plug-in: links back to previous knowledge before starting the lesson. ? Special Chapter: on Computational Thinking and Artificial Intelligence. ? QR Code: for digital interaction. ? Artificial Intelligence: Special Chapter on Artificial Intelligence ? Computational Thinking: Special Chapter on Computational Thinking DESCRIPTION Touchpad PLUS (Version 1.1) is based on Windows 7 and MS Office 2010. This series contains five sections: ? Digital World section introduces fundamental and application concepts to embrace computer science and integrate them with other subjects and skills. ? Cyber Word section covers Internet literacy and makes the students aware of cybercrime and cyber security, website development, etc. ? Computational Thinking section includes interesting and engaging activities on Reasoning, Visualization, Interpretation, Critical Thinking, Information Processing and Algorithmic Intelligence and there by making them smarter. ? Coding World section introduces students to the world of coding and thus developing their problem solving and logical skills. ? Artificial Intelligence (AI) section takes the students on a voyage to the world of latest trends like Robotics and AI along with an AI game, making them future ready. WHAT WILL YOU LEARN You will learn about: ? Digital World ? Cyber World ? Computational Thinking ? Coding ? Artificial Intelligence WHO THIS BOOK IS FOR Grade - 3 TABLE OF CONTENTS 1. The Computer System 2. Computer Hardware and Software 3. Let□s Know About Window 7 4. Introduction to MS Word 2010 5. Fun with Paint 6. Introduction to Internet 7. Stepwise Thinking 8. Introduction to Scratch 9. AI-Enabled Devices 10. Project Work 11. Explore More (Evolution of Windows) 12. OGO Cyber Sample Questions 13. Glossary

Touchpad iPrime Ver. 2.1 Class 3 Team Orange,2022-07-20 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy, 2020 ? Tech Funda: This section provides a practical information or tip to the students. ? Clickipedia: This section provides interesting computer facts. ? Hands-On: This section contains an activity for Home assignment. ? QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ? Crack the Code: This section has puzzle or fun based activity to help understand the concepts better. ? Project: This is an assessment to challenge the students to apply the concepts learnt. DESCRIPTION Touchpad iPRIME (Ver 2.1) series based on Windows 10 and Office 2016 is comprehensively designed as per the new ICSE syllabus. Learning is done best when it□s fun-filled and activity based. To ensure that the content intrigues the students at all times and keeps them interested throughout the course of the book, we have included interesting key features like Student Corner, Tech Funda, Clickipedia, Comp Caution, Reboot, One Touch Learn, Let□s Do It, Crack The Code, Hands-On, Fun In Lab, Teacher□s Corner, Worksheet, Test Sheet, Project, Speech Drill, Supplement Pages and Glossary. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Operating System ? Word Processor ? Internet ? Paint ? File Management WHO THIS BOOK IS FOR Grade-3 TABLE OF CONTENTS 1. A Computer System 2. GUI Operating System□An Introduction 3. Word Processor□An Introduction 4. The Internet□An Introduction 5. Fun with Paint 6. File Management□Organisation of Folders 7. Project 8. Explore More (Let□s Learn Paint 3D) 9. OGO Cyber Sample Questions 10. Glossary

Touchpad iPrime Ver. 2.1 Class 5 Team Orange,2022-08-08 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy, 2020 ? Tech Funda: This section provides a practical information or tip to the students. ? Clickipedia: This section provides interesting computer facts. ? Hands-On: This section contains an activity for Home assignment. ? QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ? Crack the Code: This section has puzzle or fun based activity to help understand the concepts better. ? Project: This is an assessment to challenge the students to apply the concepts learnt. DESCRIPTION Touchpad iPRIME (Ver 2.1) series based on

Windows 10 and Office 2016 is comprehensively designed as per the new ICSE syllabus. Learning is done best when it□s fun-filled and activity based. To ensure that the content intrigues the students at all times and keeps them interested throughout the course of the book, we have included interesting key features like Student Corner, Tech Funda, Clickipedia, Comp Caution, Reboot, One Touch Learn, Let□s Do It, Crack The Code, Hands-On, Fun In Lab, Teacher□s Corner, Worksheet, Test Sheet, Project, Speech Drill, Supplement Pages and Glossary. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computer Software ? Word 2016 Advanced ? Scratch ? Internet Services ? Programming Languages ? History of Computers WHO THIS BOOK IS FOR Grade - 5 TABLE OF CONTENTS 1. Evolution of Computers 2. Computer Software 3. Advanced Features of Word 2016 4. Graphics in Word 2016 5. Presentation Software□Special Effects 6. An Introduction to Scratch Programming 7. Internet Services 8. Project 9. Explore More (Microsoft Office 365) 10. OGO Cyber Sample Questions 11. Glossary

Touchpad Prime Ver. 2.1 Class 5 Bhawna Sharma,2022-07-26 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? QR Code: Scan the QR Code given on each chapter to start chapter animation. ? Fun Fact!: This presents a fact about the topic. ? Computer Ethics: This section describes the best computer practices to develop conscious thinking. ? Group Task: This section focuses on peer learning to improve coordination. ? Soft Hint: This section provides technology-specific knowledge to students, keeping them up to date. ? Digital Resources DESCRIPTION Touchpad Prime (Version 2.1) is based on Windows 10 and MS Office 2016. The books have been designed in such a way that teachers can use them as tools to integrate computer science with other subjects and skills. The chapters introduce the concepts in a simple and easy-to-understand language that helps the students to learn the concepts easily. The content has been developed using a conversational style for the young generation to make it an interesting read. There are three characters found in the chapters discussing various topics to make the learning process more interactive for the student. In order to emphasize the use of concepts in this book, Mind Drill has been added to challenge students and encourage learning. Mind drill contains different sections to engage the students in the meaningful learning process, such as Rapid Fire, Evaluation Time, Activity Time, Hands-On, Find Out, Group Task and In the Lab. This book also incorporates elements like Warm Up, Fun Fact, Soft Hint, Word Bank, Let□s Revisit, and Computer Ethics as important tools to enhance the teaching-learning process. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Excel 2016 Introduction ? Scratch ? Internet and E-mail ? Progression of Computers WHO THIS BOOK IS FOR Grade - 5 TABLE OF CONTENTS 1. Progression of Computers 2. Building on Files & Folders 3. Advanced Features of Word 2016 4. Innovation in PowerPoint 5. Introduction to Excel 2016 6. Creating Shapes in Scratch 7. Introduction to Excel 2016 8. Creating Shapes in Scratch 9. Conditional Blocks in Scratch 10. Computer Virus 11. Internet and E-Mail 12. Project 13. OGO Cyber Sample Questions

Touchpad Plus Ver. 1.1 Class 4 Nisha Batra,2022-07-02 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Fun Zone: contains variety of exercises to reinforce the concepts. ? Let□s Plug-in: links back to previous knowledge before starting the lesson. ? Special Chapter: on Computational Thinking and Artificial Intelligence. ? QR Code: for digital interaction. ? Artificial Intelligence: Special Chapter on Artificial Intelligence ? Computational Thinking: Special Chapter on Computational Thinking DESCRIPTION Touchpad PLUS (Version 1.1) is based on Windows 7 and MS Office 2010. This series contains five sections: ? Digital World section introduces fundamental and application concepts to embrace computer science and integrate them with other subjects and skills. ? Cyber Word section covers Internet literacy and makes the students aware of cybercrime and cyber security, website development, etc. ? Computational Thinking section includes interesting and engaging activities on Reasoning, Visualization, Interpretation, Critical Thinking, Information Processing and Algorithmic Intelligence and there by making them smarter. ? Coding World section introduces students to the world of coding and thus developing their problem

solving and logical skills. ? Artificial Intelligence (AI) section takes the students on a voyage to the world of latest trends like Robotics and AI along with an AI game, making them future ready. WHAT WILL YOU LEARN You will learn about: ? Digital World ? Cyber World ? Computational Thinking ? Coding ? Artificial Intelligence WHO THIS BOOK IS FOR Grade - 4 TABLE OF CONTENTS 1. Evolution of Computers 2. Personalizing Windows 7 3. Editing in MS Word 2010 4. Formatting in MS Word 2010 4. Introduction to MS PowerPoint 2010 5. Know About Computer Viruses 6. Visual Processing 7. Drawing Shapes in Scratch 8. Evolution of AI 9. Project Work 10. Explore More (Windows10) 11. OGO Cyber Sample Questions 12. Glossary

Touchpad Plus Ver. 2.1 Class 7 Team Orange,2022-04-13 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? Fun Zone: contains variety of exercises to reinforce the concepts. ? Let⬛s Plug-in: links back to previous knowledge before starting the lesson. ? Special Chapter: on Computational Thinking and Artificial Intelligence. ? QR Code: for digital interaction. DESCRIPTION Touchpad PLUS (Version 2.1) is based on Windows 10 and MS Office 2016. This series contains five sections: ? Digital World section introduces fundamental and application concepts to embrace computer science and integrate them with other subjects and skills. ? Cyber Word section covers Internet literacy and makes the students aware of cybercrime and cyber security, website development, etc. ? Computational Thinking section includes interesting and engaging activities on Reasoning, Visualization, Interpretation, Critical Thinking, Information Processing and Algorithmic Intelligence and there by making them smarter. ? Coding World section introduces students to the world of coding and thus developing their problem solving and logical skills. ? Artificial Intelligence (AI) section takes the students on a voyage to the world of latest trends like Robotics and AI along with an AI game, making them future ready. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ICT Tools, ? Computational Thinking, ? Coding and Artificial Intelligence, ? Touch Typing. ? App Development ? More on HTMLS ? AI WHO THIS BOOK IS FOR Grade - 7 TABLE OF CONTENTS 1. Number System 2. Charts in Excel 2016 3. Advanced Features of Excel 4. More On Animate CC 5. Internet Services 6. App Development 7. More on HTML5 8. Lists and Tables in HTML5 9. Conditional Statements in Python 10. AI for SDGs 11. Project 12. Explore More (Microsoft Office 365) 13. OGO Cyber Sample Questions

Touchpad Play Ver 2.0 Class 2 Team Orange,2023-08-03 Computer Science Textbook | Windows 10 & MS Office 2016 KEY FEATURES ● National Education Policy 2020 ● Tech Funda: This section provides a practical information or tip to the students. ● Clickipedia: This section provides interesting computer facts. ● Hands-On: This section contains an activity for the Home assignments. ● QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ● Project Work: This is an assessment to challenge the students to apply the concepts learnt. ● Digital Resources DESCRIPTION In the modern era, we are dependent on technology for almost every aspect of our lives. Computers are a major part of this technology-assisted life, as we have now developed ways to do most of the essential tasks on a computer. Computer science is no longer limited to theories and lectures, it has now become an important part of our lives. Touchpad PLAY (Version 2.0) series, based on Windows 10 and MS Office 2016, is designed carefully keeping in mind the overall growth of the children. The simple and step-by-step approach used in this book makes the content very easy to understand for the students. The students will face a global competition once they step out of the school so they should be updated with the latest technologies which holds a promising future in the times to come. The best way to learn is, to do it through fun filled activities. To make content interesting through the course of the book, we have included key features like Student Corner, Tech Funda, Clickipedia, Comp Caution, Exercise, In The Lab (Subject Enrichment), Teacher's Corner, Worksheet, Test Sheet, Project Work, Explore More, Keyboard Shortcuts and Glossary. Sample questions of Orange Global Olympiad (Cyber) have been included to promote awareness about the national level competition. These features will ensure better learning, assessment, evaluation and enable children to take their knowledge beyond the classroom.

We hope that the book enables the children to learn the concepts with not only the purpose of gaining knowledge but also to be able to find its applications. We look forward to any suggestions for improving the book. WHAT WILL YOU LEARN You will learn about: ● Fundamentals of computers ● ICT Tools ● Features of the Computer ● Parts and Uses of Computer ● Tux Paint WHO THIS BOOK IS FOR Grade 2 TABLE OF CONTENTS 1. Applications of a Computer 2. Operating a Computer 3. Working of a Computer 4. Keyboard and Mouse 5. Tools of Tux Paint 6. Fun with Paint 7. Working with Paint 3D 8. Blocks in ScratchJr The AI Corner! AI-Enabled Devices Periodic Assessment Test Sheet 2 Project Work Explore More (Magical Mouse & Keyboard) OGO Cyber Sample Questions Glossary

Touchpad Plus Ver. 4.0 Class 3 Nidhi Gupta,2023-03-21 Computer Science Textbook with New Pedagogical Approaches KEY FEATURES ● National Education Policy 2020 ● Tech Funda: This section provides a practical information or tip to the students. ● Clickipedia: This section provides interesting computer facts. ● Lab Session: This is a lab activity to develop practical skills. (Subject Enrichment) ● Explore More: This section contains supplement topics for add-on knowledge. ● QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ● Mind Boggler: This section has puzzle or fun based activity to help understand the concepts better. DESCRIPTION Computer technology has become essential and an integral part of life at work, in recreation, social networking and education too. With the constant development of new technology, it has become more significant in helping and preparing students for jobs. Computers have revolutionised the way education is imparted to children. Touchpad Plus Version 4.0 is a complete computer science curriculum solution for grades 1-8. It is based on Windows 10 and MS Office 2019, with new and future-ready content. Fun is the most important element of learning. Keeping in mind the concept of Joyful Learning, varied activities have been designed based on multiple intelligences and 21st century skills for holistic development. The books have a conversational style introduction of each chapter to make learning fun and engaging. The topics and their approaches are integrated in different themes as per ICT learning. Grade I and II books have four-line writing space to enhance writing skills in children. Each book is accompanied by digital learning resources that offer interesting animation and interactive tests for the student to supplement classroom learning with independent learning. The books are curated in a way that they make students and teachers equal partners in the learning process and take learning beyond classroom. We welcome and look forward to all meaningful and valuable suggestions for improving the book WHAT WILL YOU LEARN You will learn about: ● Digital World ● Cyber World ● Coding World ● Computational Thinking ● Artificial Intelligence WHO THIS BOOK IS FOR Grade 3 TABLE OF CONTENTS 1. Computer Hardware and Software 2. Windows 10 3. Let's Learn Paint 3D 4. Editing in Word 2019 5. Formatting in Word 2019 6. Internet 7. Stepwise Thinking 8. Let's Learn Scratch 9. Google Blockly Games 10. AI-Enabled Devices ADD-ONS ASSESSMENTS

Touchpad Prime Ver. 2.1 Class 6 Bhawna Sharma,2021-01-01 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? QR Code: Scan the QR Code given on each chapter to start chapter animation. ? Fun Fact!: This presents a fact about the topic. ? Computer Ethics: This section describes the best computer practices to develop conscious thinking. ? Group Task: This section focuses on peer learning to improve coordination. ? Soft Hint: This section provides technology specific knowledge to students, keeping them up to date. ? Digital Resources DESCRIPTION Touchpad Prime (Version 2.1) is based on Windows 10 and MS Office 2016. The books have been designed in such a way that teachers can use them as tools to integrate computer science with other subjects and skills. The chapters introduce the concepts in a simple and easy to understand language that helps the students to learn the concepts easily. The content has been developed using a conversational style for the young generation to make it an interesting read. There are three characters found in the chapters discussing various topics to make the learning process more interactive for the student. In order to emphasize on the use of concepts in this book, Mind Drill has been added to challenge students and encourage learning. Mind drill contains different sections to engage the students in meaningful learning process,

such as Rapid Fire, Evaluation Time, Activity Time, Hands-On, Find Out, Group Task and In the Lab. This book also incorporates elements like Warm Up, Fun Fact, Soft Hint, Word Bank, Let□s Revisit, Computer Ethics as important tools to enhance teaching-learning process. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Animate CC ? Problem Solving ? Programming Languages ? Small Basic ? PowerPoint Advanced WHO THIS BOOK IS FOR Grade - 6 TABLE OF CONTENTS 1. Fundamentals of Computer 2. Advanced Windows 3. Advanced Features of PowerPoint 2016 4. More on Excel 5. Formulas & Functions in Excel 6. Introduction to Animate CC 7. Problem Solving and Programming Languages 8. Introduction to Small Basic 9. Internet 10. Project 11. OGO Cyber Sample Questions

Touchpad Prime Ver. 2.1 Class 8 Bhawna Sharma,2022-10-19 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? QR Code: Scan the QR Code given on each chapter to start chapter animation. ? Fun Fact!: This presents a fact about the topic. ? Computer Ethics: This section describes the best computer practices to develop conscious thinking. ? Group Task: This section focuses on peer learning to improve coordination. ? Soft Hint: This section provides technology specific knowledge to students, keeping them up to date. ? Digital Resources DESCRIPTION Touchpad Prime (Version 2.1) is based on Windows 10 and MS Office 2016. The books have been designed in such a way that teachers can use them as tools to integrate computer science with other subjects and skills. The chapters introduce the concepts in a simple and easy to understand language that helps the students to learn the concepts easily. The content has been developed using a conversational style for the young generation to make it an interesting read. There are three characters found in the chapters discussing various topics to make the learning process more interactive for the student. In order to emphasize on the use of concepts in this book, Mind Drill has been added to challenge students and encourage learning. Mind drill contains different sections to engage the students in meaningful learning process, such as Rapid Fire, Evaluation Time, Activity Time, Hands-On, Find Out, Group Task and In the Lab. This book also incorporates elements like Warm Up, Fun Fact, Soft Hint, Word Bank, Let□s Revisit, Computer Ethics as important tools to enhance teaching-learning process. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Computer Networking ? Photoshop CC ? Python ? Robotics and AI ? HTML ? Access 2016 WHO THIS BOOK IS FOR Grade - 8 TABLE OF CONTENTS 1. Latest Technological Developments 2. Computer Networking 3. Working with Access 2016 4. More on Access 5. More on HTML 6. Introduction to Photoshop 7. More on Photoshop CC 8. More on Python 9. Loops in Python 10. Robotics and AI 11. Project 12. OGO Cyber Sample Questions

Touchpad Prime Ver. 1.2 Class 7 Nisha Batra,2022-12-08 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Tech Funda: This section provides a practical information or tip to the students. ? Clickipedia: This section provides interesting computer facts. ? Hands-On: This section contains an activity for Home assignment. ? Fun in Lab: This is a lab activity to develop practical skills. (Subject Enrichment) ? QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ? Crack the Code: This section has puzzle or fun based activity to help understand the concepts better. ? Project Work: This is an assessment to challenge the students to apply the concepts learnt. ? Digital Resources DESCRIPTION Touchpad PRIME (Version 1.2) series based on Windows 7 and MS Office 2010 is designed carefully keeping in mind the overall growth of the child. The students will face a global competition once they step out of the school so they should be updated with the latest technologies like 3D Printing and Artificial Intelligence which holds a promising future in the times to come. Introduction of open source software like Tux Paint, Scratch and Python in the curriculum will definitely give our students an edge above others and hence make programming ideas more innovative and creative. Learning is done best when it□s fun-filled and activity based. To ensure that the content intrigues the students at all times and keeps them interested throughout the course of the book, we have included interesting key features like Student Corner, Tech Funda, Clickipedia, Comp Caution, Reboot, One Touch Learn, Let□s Do It, Crack The Code, Hands- On, Subject

Enrichment⬜Fun In Lab, Teacher⬜s Corner, Periodic Assessment, Test Sheet, Project, Speech Drill and Supplement Pages. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Coding and Artificial Intelligence WHO THIS BOOK IS FOR Grade - 7 TABLE OF CONTENTS 1. Number System 2. Formulas, Functions and Charts in Excel 3. More on Excel 4. Introduction to HTML 5. Introduction to Photoshop 6. Animations in Flash 7. Internet and E-mail 8. Computer Safety and Security 9. Programming with Python 10. Project Work 11. Tech Update 12. Orange Global Cyber Olympiad

Touchpad Prime Ver. 2.1 Class 4 Bhawna Sharma,2022-07-26 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? QR Code: Scan the QR Code given on each chapter to start chapter animation. ? Fun Fact!: This presents a fact about the topic. ? Computer Ethics: This section describes the best computer practices to develop conscious thinking. ? Group Task: This section focuses on peer learning to improve coordination. ? Soft Hint: This section provides technology specific knowledge to students, keeping them up to date. ? Digital Resources DESCRIPTION Touchpad Prime (Version 2.1) is based on Windows 10 and MS Office 2016. The books have been designed in such a way that teachers can use them as tools to integrate computer science with other subjects and skills. The chapters introduce the concepts in a simple and easy to understand language that helps the students to learn the concepts easily. The content has been developed using a conversational style for the young generation to make it an interesting read. There are three characters found in the chapters discussing various topics to make the learning process more interactive for the student. In order to emphasize on the use of concepts in this book, Mind Drill has been added to challenge students and encourage learning. Mind drill contains different sections to engage the students in meaningful learning process, such as Rapid Fire, Evaluation Time, Activity Time, Hands-On, Find Out, Group Task and In the Lab. This book also incorporates elements like Warm Up, Fun Fact, Soft Hint, Word Bank, Let⬜s Revisit, Computer Ethics as important tools to enhance teaching-learning process. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Computer Memory ? Word 2016 ? PowerPoint 2016 Introduction ? Scratch WHO THIS BOOK IS FOR Grade - 4 TABLE OF CONTENTS 1. Computer Memory 2. More About Windows 10 3. Tables in Word 2016 4. Shapes, Graphics and Pictures in Word 2016 5. Introduction to PowerPoint 2016 6. More on PowerPoint 2016 7. More Blocks in Scratch 8. More About Internet 9. Project 10. OGO Cyber Sample Questions

Touchpad Play Ver. 1.1 Class 4 Team Orange,2021-01-10 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ● National Education Policy 2020 ● Tech Funda: This section provides a practical information or tip to the students. ● Clickipedia: This section provides interesting computer facts. ● Hands-On: This section contains an activity for Home assignment. ● QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ● Project Work: This is an assessment to challenge the students to apply the concepts learnt. ● Digital Resources DESCRIPTION Touchpad Play (Version 1.1) series, based on Windows 7 and MS Office 2010 is designed carefully keeping in mind the overall growth of the child. The student will face a global competition once they step out of the school so they should be updated with the latest technologies like Artificial Intelligence which holds a promising future in the times to come. Introduction of open source software like Tux Paint, Scratch and Python in the curriculum will definitely give our students an edge above others and hence make programming ideas more innovative and creative. Learning is done best when it's fun-filled and activity based. To ensure that the content intrigues the interesting key features like Student Corner, Tech Funda, Clickipedia, Comp Caution, Reboot, One Touch Learn, Let's Do It, Hands-On, Subject Enrichment—Fun In Lab, Teacher's CORNER, Periodic Assessment, Test Sheet, Project Work and Supplement Pages. WHAT WILL YOU LEARN You will learn about: ● Fundamentals of computers ● ICT Tools ● Windows 7 ● Computer Memory ● Paint ● MS Word 2010 ● Scratch ● Internet WHO THIS BOOK IS FOR Grade - 4 TABLE OF CONTENTS 1. The Computer—An Overview 2. Computer Memory 3. Personalizing Window 7 4. Fun with Paint 5. Editing in MS Word

2010 6. Formatting in MS Word 2010 7. More on Scratch 8. Programming in Scratch 9. Introduction to Internet 10. Project work 11. OGO Cyber Sample Questions 12. Explore More (Latest Trends)

Touchpad Plus Ver. 1.1 Class 7 Nisha Batra,2022-07-13 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Fun Zone: contains variety of exercises to reinforce the concepts. ? Let's Plug-in: links back to previous knowledge before starting the lesson. ? Special Chapter: on Computational Thinking and Artificial Intelligence. ? QR Code: for digital interaction. ? Artificial Intelligence: Special Chapter on Artificial Intelligence ? Computational Thinking: Special Chapter on Computational Thinking DESCRIPTION Touchpad PLUS (Version 1.1) is based on Windows 7 and MS Office 2010. This series contains five sections: ? Digital World section introduces fundamental and application concepts to embrace computer science and integrate them with other subjects and skills. ? Cyber Word section covers Internet literacy and makes the students aware of cybercrime and cyber security, website development, etc. ? Computational Thinking section includes interesting and engaging activities on Reasoning, Visualization, Interpretation, Critical Thinking, Information Processing and Algorithmic Intelligence and there by making them smarter. ? Coding World section introduces students to the world of coding and thus developing their problem solving and logical skills. ? Artificial Intelligence (AI) section takes the students on a voyage to the world of latest trends like Robotics and AI along with an AI game, making them future ready. WHAT WILL YOU LEARN You will learn about: ? Digital World ? Cyber World ? Computational Thinking ? Coding ? Artificial Intelligence WHO THIS BOOK IS FOR Grade - 7 TABLE OF CONTENTS 1. Number System 2. Formulas, Functions and Charts in Excel 3. More on Excel 4. Animations in Flash 5. Introduction to Photoshop 6. Internet Services 7. Computer Safety and Security 8. Introduction to HTML5 and CSS3 9. Conditional Statements in Python 10. AI for Sustainable Development Goals 11. Project Work 12. Explore More (Tech Update) 13. OGO Cyber Sample Questions 14. Glossary

Touchpad Modular Ver. 1.1 Class 8 Team Orange,2022-09-03 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Tech Funda: This section provides a practical information or tip to the students. ? Clickipedia: This section provides interesting computer facts. ? In The Lab: This is a lab activity to develop practical skills. (Subject Enrichment) ? Explore More: This section contains supplement topics for add-on knowledge. ? QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ? Project Work: This is an assessment to challenge the students to apply the concepts learnt. ? DIGITAL RESOURCES DESCRIPTION Touchpad MODULAR (Version 1.1) series based on Windows 7 and MS Office 2010 is designed carefully keeping in mind the overall growth of the children. We have divided this book into modules and provided the student with focused content. The simple and step-by-step approach used in this book makes the content very easy to understand for the students. The students will face a global competition once they step out of the school so they should be updated with the latest technologies like Artificial Intelligence which holds a promising future in the times to come. The best way to learn is, to do it through fun filled activities. To make content interesting through the course of the book we have included key features like Student Corner, Tech Funda, Clickpedia, Comp Caution, Exercise, In the Lab (Subject Enrichment), Teacher's Corner, Periodic Assessment, Test Sheet, Project Work, Explore More, Keyboard Shortcuts and Glossary. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Computer Networking ? DBMS ? Working in MS Access 2010 ? Python ? AI and Robotics WHO THIS BOOK IS FOR Grade - 8 TABLE OF CONTENTS 1. Computer Networking 2. Database Management System 3. Introduction to MS Access2010 4. Working with Tables in MS Access 5. Advanced Features of MS Access 6. Queries in MS Access 7. Forms in MS Access 8. Reports in MS Access 9. Introduction to Python 10. Artificial Intelligence and Robotics 11. Project Work 12. Explore More (Access2016) 13. OGO Cyber Sample Questions 14. Keyboard Shortcuts (MS Access) 15. Glossary

Touchpad Prime Ver. 2.1 Class 7 Bhawna Sharma,2022-10-19 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? QR Code: Scan the QR Code given on each chapter to start chapter animation. ? Fun Fact!: This presents a fact about the topic. ? Computer Ethics: This section describes the best computer practices to develop conscious thinking. ? Group Task: This section focuses on peer learning to improve coordination. ? Soft Hint: This section provides technology specific knowledge to students, keeping them up to date. ? Digital Resources DESCRIPTION Touchpad Prime (Version 2.1) is based on Windows 10 and MS Office 2016. The books have been designed in such a way that teachers can use them as tools to integrate computer science with other subjects and skills. The chapters introduce the concepts in a simple and easy to understand language that helps the students to learn the concepts easily. The content has been developed using a conversational style for the young generation to make it an interesting read. There are three characters found in the chapters discussing various topics to make the learning process more interactive for the student. In order to emphasize on the use of concepts in this book, Mind Drill has been added to challenge students and encourage learning. Mind drill contains different sections to engage the students in meaningful learning process, such as Rapid Fire, Evaluation Time, Activity Time, Hands-On, Find Out, Group Task and In the Lab. This book also incorporates elements like Warm Up, Fun Fact, Soft Hint, Word Bank, Let's Revisit, Computer Ethics as important tools to enhance teaching-learning process. WHAT WILL YOU LEARN You will learn about: ? Fundamentals of computers ? ICT Tools ? Computational Thinking ? Number System ? Animate CC ? Small Basic ? HTML ? Python ? Cyber Safety ? Internet Services WHO THIS BOOK IS FOR Grade - 7 TABLE OF CONTENTS 1. Number System 2. Advance Features of Excel 3. Building on Animate CC 4. Conditional Statements in Small Basic 5. Introduction to HTML 6. HTML Lists and Tables 7. Introduction to Python 8. Cyber Safety 9. Internet Services 10. Project 11. OGO Cyber Sample Questions

Touchpad Plus Ver. 4.0 Class 2 Nidhi Gupta,2023-02-16 Computer Science Textbook with New Pedagogical Approaches KEY FEATURES ● National Education Policy 2020 ● Tech Funda: This section provides a practical information or tip to the students. ● Clickipedia: This section provides interesting computer facts. ● Lab Session: This is a lab activity to develop practical skills. (Subject Enrichment) ● Explore More: This section contains supplement topics for add-on knowledge. ● QR Code: Scan the QR Code given on the first page of each chapter to start chapter animation. ● Mind Boggler: This section has puzzle or fun based activity to help understand the concepts better. DESCRIPTION Computer technology has become essential and an integral part of life at work, in recreation, social networking and education too. With the constant development of new technology, it has become more significant in helping and preparing students for jobs. Computers have revolutionised the way education is imparted to children. Touchpad Plus Version 4.0 is a complete computer science curriculum solution for grades 1-8. It is based on Windows 10 and MS Office 2019, with new and future-ready content. Fun is the most important element of learning. Keeping in mind the concept of Joyful Learning, varied activities have been designed based on multiple intelligences and 21st century skills for holistic development. The books have a conversational style introduction of each chapter to make learning fun and engaging. The topics and their approaches are integrated in different themes as per ICT learning. Grade I and II books have four-line writing space to enhance writing skills in children. Each book is accompanied by digital learning resources that offer interesting animation and interactive tests for the student to supplement classroom learning with independent learning. The books are curated in a way that they make students and teachers equal partners in the learning process and take learning beyond classroom. We welcome and look forward to all meaningful and valuable suggestions for improving the book WHAT WILL YOU LEARN You will learn about: ● Digital World ● Cyber World ● Coding World ● Computational Thinking ● Artificial Intelligence WHO THIS BOOK IS FOR Grade 2

Touchpad iPrime Ver 1.1 Class 2 Team Orange,2022-10-29 Computer Science Textbook Designed for Joyful Learning KEY FEATURES ? National Education Policy 2020 ? Tech Funda: This section provides a practical information or tip to the students. ? Clickipedia: This section provides

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