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| **Technology Education** | | | | |
| **Modules** | | **Educational Technology Standards 6 – 8 /** | **Vocabulary** | **Pacing** |
| **Technology Education** | * Electricity * Robotics * Digital Media * Alternative Energy * Electronic Communication * Computer Aided Design * Pneumatics * Weather * Global Positioning Systems | S.IP.M.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.  S.IP.07.11 Generate scientific questions based on observations, investigations, and research.  S.IP.07.12 Design and conduct scientific investigations.  S.IP.07.13 Use tools and equipment appropriate to scientific investigations.  S.IP.07.14 Use metric measurement devices in an investigation.  S.IP.07.15 Construct charts and graphs from data and observations.  S.IP.07.16 Identify patterns in data.  Inquiry Analysis and Communication  S.IA.M.1 Inquiry includes an analysis and presentation of findings that lead to future questions, research, and investigations.  S.IA.07.11 Analyze information from data tables and graphs to answer scientific questions.  S.IA.07.12 Evaluate data, claims, and personal knowledge through collaborative science discourse.  S.IA.17.13 Communicate and defend findings of observations and investigations.  S.IA.07.14 Draw conclusions from sets of data from multiple trials of a scientific investigation to draw conclusions.  S.IA.07.15 Use multiple sources of information to evaluate strengths and weaknesses of claims, arguments, or data.  6-8.CI.1. apply common software features to enhance  communication with an audience and to support creativity  6-8.CC.2. use collaborative digital tools to explore common curriculum content with learners from other cultures  6-8.RI.1. use a variety of digital resources to locate information  6-8.RI.5. employ data-collection technologies (e.g., probes, handheld devices, GPS units, geographic mapping systems) to  gather, view, and analyze the results for a content-related problem | Input, Output, Feedback, Moore’s Law, Panning, Refraction, Reflection, Source Image, Operation Box, Decision Box, Flowchart, Sensor, Command Language, Automation, Servo control, Sublimation, Metro stat, Isobar, Condensation, Infrared, GIS, Isotopes, Radium, Orthographic Projection, Polar Coordinates, Coordinate System, Insertion Point, Voltmeter, Schematic Diagram, Series &Parallel Circuit, Ammeter, Ohmmeter, Resistance, Fault Finding, Work Envelope, Tactile Sensor, Various Robot Types, Illumination, Conventional Vs. Digital Camera, Focal Plane, Principal Axis, Depth of Field, Alternative Energy Sources, Isometric, Latitude, Longitude, GPS Unit, Pitch, Yaw, Plane Controls, Actuators, Thermodynamic, Cryosphere, Imperial, Terminal, Statistical, Vaporizers, Rostrum, Kailediscope, Inverse Square Law, | Rotation through Modules in  90 Days |
| **Assessments: On Screen Assignments, Labs, Post Tests, Participation, Learning Objectives Worksheet** |