Syllabus

**Subject**: Information Technology

**Grade**: 6

**Objectives**: See them in NAT and Kerettanterv (2012). Developing children’s competencies.

**Competencies to develop**: Cognitive competencies (attention, memory, interpreting, reasoning, thinking skills). Language competencies (communication, questioning, listening, speaking, writing, reading skills). Social competencies (adaptive, self-evaluation, co-operative, collaborative skills). Digital competencies (algorithmic thinking, creative, modelling, application, problem-solving skills).

**Methods**: Assessment, Self-assessment, Checking, Collaboration, Conversation, Co-operation, Differentiation, Explanation, Practice, Task solving.

**Way of work**: Frontal, Group, Individual

**Connection with other subjects**: Biology, Chemistry, English, Geography, Mathematics, Physics.

**Book**: Information Technology for class 6

Made by

Holtner Rita

|  |  |  |  |
| --- | --- | --- | --- |
| Topics | Communication of new knowledge | Practice, systematization, revision  and checking of knowledge | Total lesson number |
| Uses of IT | 4 | 0 | 4 |
| Library | 1 | 1 | 2 |
| Applications | 6 | 8 | 14 |
| Infocommunication | 3 | 1 | 4 |
| Information society | 3 | 1 | 4 |
| Problem-solving | 3 | 5 | 8 |
| Sum: |  |  | 36 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Topic** | |  | **Objectives, activities** | **New words, Expressions** | **Demonstration** | **Notes** |
| 1. | Uses of IT (4 lessons) | | Rules of Classroom | Looking through the contents of the book,  classroom rules,  necessary equipment |  | book |  |
| 2. | Hardware | Using devices consciously | case, hard disk, input device, memory, monitor, mouse, network card,  output device, sound card, speaker, storage device, video card | book, devices |  |
| 3. | Information, Data  Operating systems | Knowing OS | command line, extension, interface, source | book |  |
| 4. | Malware  Ergonomics | Using antivirus program  Effect on health | antivirus program, damaged, infection, malware, macro virus, spyware, suspicious, virus, virus shield, worm,  ergonomics | book |  |
| 5. | Library (2 lessons) | | Types of library, Types of media  Searching in the library | Learning about library  Using library for purpose | open shelf, public library, required copy, restricted shelf, reference book | book,  library |  |
| 6. | Test | Assessment |  |  |  |
| 7. | Applications (14 lessons) | Maps | Maps, Online database | Using elvira.hu and utvonalterv.hu | Departure, destination, arrival, transfer, via, duration | book, internet |  |
| 8. | Paint | Basics of digital drawing | Drawing  Using tools and shapes  Learning cut, copy, paste | brush, canvas, colour picker, eraser, fill with colour, pencil, property, resolution, rotate, shape, toolbox, zoom | book, computer |  |
| 9. | Practice | Practicing |  | book, computer |  |
| 10. | Practice | Practicing |  | book, computer |  |
| 11. | Test | Assessment |  |  |  |
| 12. | Word | Basics of word processing, font settings | Learning basic concepts  Learning how to format font | word processing, give format, font, paragraph, character, document  all caps, bold, italic, small caps, strikethrough, subscript, superscript, underline | book, computer |  |
| 13. | Paragraph settings | Learning how to format paragraph | spacing, alignment, hanging indentation, justified, line spacing, indentation | book, computer |  |
| 14. | Practice | Practicing |  | book, computer |  |
| 15. | Page settings | Learning how to format page | orientation, portrait orientation, landscape orientation, margin, header, footer, first line indentation | book, computer |  |
| 16. | Practice | Practicing |  | book, computer |  |
| 17. | Test | Assessment |  |  |  |
| 18. | Powerpoint | Basics | Learning basic concepts  Learning what a good presentation like | animation, background, chart, hyperlink, list, presentation, slide, slide show, table, text box, timing, transition | book, computer |  |
| 19. | Students’ presentation | Practicing |  | computer, projector |  |
| 20. | Students’ presentation | Practicing |  |  |  |
| 21. | Infocommunication (4 lessons) | | Browsers  Searching | Using browsers  Learning effective searching | browser, bookmark, toolbar | book, computer |  |
| 22. | E-mail | Making and using e-mail | addresser, addressee, attachment, blind carbon copy, carbon copy, forward, reply, subject | book, computer |  |
| 23. | Netiquette | Learning etiquette of internet | blog, chat, forum, mailing list, social media, newsletter | book, computer |  |
| 24. | Test | Assessment |  |  |  |
| 25. | Information society (4 lessons) | | Safety | Learning how to secure usage of computer | Password, antivirus, firewall, keylogger | book, computer |  |
| 26. | Data protection | Learning how to protect data | data handling, data protection, install, personal data, privacy policy | book, computer |  |
| 27. | E-services | Learning what possibilities there are | commerce, distance learning, insurance, official administration, register, sign in, subscribe, unsubscribe | book, computer |  |
| 28. | Test | Assessment |  |  |  |
| 29. | Problem-solving (8 lessons) | | Algorithm  Basic expressions and instructions of Imagine Logo | Learning basic concepts and basic instructions of Logo | algorithm, condition, selection, sequence, debug, encode, finite, flowchart, instruction, sentence like, solve | book, computer |  |
| 30. | Drawing with loops | Using loops | loop, iteration, command | book, computer |  |
| 31. | Practice | Practicing |  | book, computer |  |
| 32. | Practice | Practicing |  | book, computer |  |
| 33. | Practice | Practicing |  | book, computer |  |
| 34. | Procedures | Learning how to write a procedure | parameter, procedure, variable | book, computer |  |
| 35. | Practice | Practicing |  | book, computer |  |
| 36. | Test | Assessment |  |  |  |