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| Umutwe w'ikina mashusho | **A Lesson on Conway’s Game of Life [Samuel Okoth]** | | |
| Ingingo | Mathematical Thinking | | |
| Intego | Define an interesting and unpredictable cell automaton. For example, discover some configurations that last for a long time before dying and other configurations to go on forever without allowing cycles. | | |
| Uburebure | 10min | | |
| Aho ihuriro(camp) niherereye | (Leave BLANK for the facilitators that will use it) | | |
| Abafashamyumvire | (Leave BLANK for the facilitators that will use it) | | |
| Umubare. w'abanyeshuri | (Leave BLANK for the facilitators that will use it) | | |
| Itariki | (Leave BLANK for the facilitators that will use it) | | |
| Ibikoresho  nkenerwa | Paper to draw square grids, 2 different coloured post-its | | |
| Imyiteguro | Ask the groups of students to draw the square grids (you can draw and share a printed copy) and cut a few post-it papers the same size as the square grids. | | |
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| **Igihe cy'ikinamashusho** | **Ibyo umufashamyumvire akora** | **Ibyo abanyeshuri bakora** | **Comments** |
| 00:00 - 00:26 | Intangiriro rusange y'ikinamashusho ya VMC | | |
| 00:27 - 00:42 | Intangiriro y' ikinamashusho | | |
| 00:42 - 01:00 | Materials | | |
| 01:06 - 05:26 | Rules of the Game & Introduction of the first demonstrations | | |
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| VIDEO PAUSE Demonstration:  Work out by yourself what the next step would look like for the configuration | * Assist the process, provoke thoughts (explanations from 05:26 - 06:06) |  |  |
| 06:15 - 2:03 | Solution of the first experiment | | |
| 2:04 - 2:59 | Introduction of the second experiment | | |
| VIDEO PAUSE Demonstration: | * Assist the process, provoke thoughts | . |  |
| 3:03 - 3:33 | Igisubizo | | |
| VIDEO PAUSE Discussion: | * Facilitate the discussion: * Suggestion for discussion: | ! | . |
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| 12:49 - 13:11 | Conclusion | | |