|  |  |  |  |
| --- | --- | --- | --- |
| Titre de la vidéo | **A Lesson on Conway’s Game of Life [Samuel Okoth]** | | |
| Rubrique | Mathematical Thinking | | |
| Objectif(s) | 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. | | |
| Durée | 10min | | |
| Lieu du camp | (Leave BLANK for the facilitators that will use it) | | |
| Animateurs | (Leave BLANK for the facilitators that will use it) | | |
| N. des étudiants | (Leave BLANK for the facilitators that will use it) | | |
| Date | (Leave BLANK for the facilitators that will use it) | | |
| Les ressources  nécessaires | Paper to draw square grids, 2 different coloured post-its | | |
| Préparations | 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. | | |
|  | | |  |
| **Temps de la vidéo** | **Ce que fait le facilitateur** | **Ce que font les apprenants** | **Comments** |
| 00:00 - 00:26 | Vidéo générale introduisant le CVM | | |
| 00:27 - 00:42 | Video d'introduction | | |
| 00:42 - 01:00 | Materials | | |
| 01:06 - 05:26 | Rules of the Game & Introduction of the first demonstrations | | |
|  |  | | |
| 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: | * Faciliter le processus, susciter des pensées | . |  |
| 3:03 - 3:33 | Solution | | |
| VIDEO PAUSE Discussion: | * Facilitate the discussion: * Suggestion for discussion: | ! | . |
|  |  | | |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  | | |
|  |  | | |
|  |  | | |
|  |  |  |  |
|  |  | | |
|  |  |  |  |
| 12:49 - 13:11 | Conclusion | | |