公益財団法人 セコム科学技術振興財団
研究成果報告書

研究課題名

幅広いステークホルダーの防災リテラシー向上を目指す「防災・減災教育ハブ」の構築

Construction of a "Education HUB for Disaster Prevention and Reduction"
that aims to improve the literacy for disaster management of stakeholders

研究期間

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Abstract

In this research, we implemented three studies to improve the literacy for disaster management necessary for Japan to overcome the "era of major disasters" in the 21st century. First, we clarified the overall picture of " literacy for disaster management" while collecting and analyzing existing programs related to education for disaster management (Clarification of the overall picture of the literacy for disaster management). Second, based on those results, we developed an educational program using the ADDIE process in Instructional Design theory (Development of disaster management education programs). Third, we built an "Internet site for improving the literacy for disaster management" where citizens, companies, and educators can search, collect, and post disaster management-related content on the Internet and share disaster management knowledge (Construction of websites for improving the literacy for disaster management). By organically integrating these three studies, we constructed the "Education HUB for Disaster Prevention and Reduction" that aims to improve the literacy for disaster management of stakeholders. In addition, each study was implemented in the field as a social experiment while collaborating with stakeholders such as educators, residents, government officials, and business people.

In the first section, "Clarification of the overall picture of the literacy for disaster management," we collected and analyzed disaster prevention education programs across the country. As a result, disaster prevention education had three major learning goals: "Knowing disasters," "Preparing for disasters," and "Acting against disasters." And under the category, it was found that there are eight types of educational content.

In the second, "Development of disaster management education programs", based on the results of the previous research, we developed "disaster management education programs for weather disasters such as heavy rain", "disaster management education programs for children with intellectual disabilities", "disaster management education program for foreign residents in Japan with 'easy Japanese'" and "disaster management education program for disaster volunteers". In addition, in order to learn active learning, which is emphasized in the new government course guidelines, I wrote a textbook (a collection of systematic educational programs) called "Group Work no Torisetsu (instruction manual of group work)", and each educational program We produced and released a video that can be understood in about 5 minutes.

In the third, " Construction of websites for improving the literacy for disaster management," we constructed four websites. First, we constructed "Disaster Management Literacy Hub" that allows users to search, post and share disaster management-related content distributed on the Internet. Second, as one of its functions, we developed a "Teaching Guidance Plan Generator" that can effectively create a "teaching guidance plan", which is a complicated format for ordinary people, on a single screen online and create it as a Microsoft Word document. Third, we developed "Disaster Management Education Literacy Hub" that provides educational materials in school as systematic units. Fourth, we developed "Risk Management Business EXPO", which is a community site for

resolving social issues related to disaster management. It was constructed using the concept of the "Disaster Management Literacy Hub". By mutually linking these, it is possible to efficiently collect contents for improving the literacy for disaster management.