Constructing quaking model in the geological club activity and discussion activities around crack investigation

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Our school region is standing on the field of active-fault "Nagamachi-Rifu" line.
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We have had activities upon the surrounding research, for the fault's activity and sediments research.
Therefore, we seeked leading method to make experimental motion in the class and science club activity.
I will talk about daily geological activities, also concern to against disaster education as follows;

(1) Leading method of sediment materials research
Students tried to find some geological faults on the ground. They found boling core samples above the faults and succeed to analyze sediments and mentioned volcanic ash contains.

(2)Constructed motor-controlled quaking apparatus
The quaking model plays much important rolls to mention real breaking phenomena. Our students discussed the several soil model made by corn and chocolate-flakes, and constructed quake mechanics. Firstly they quaked by the hand-quaked, but the reproducibility was lower level. Then they planned motor-controlled and made by steel cans and rubber plugs which everything found surroundings. Reproducibility and easy constructing is much valuable model to make leading geological methods.

(3)Discussed cracks on the building by the stress
Students found the cracks on the building to specific direction, they mentioned about ground stress characteristic. Essentially, our region is located the border between ocean and continental plates. They also discussed the effects made by flat-constructed grounds.

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