Appendix. The study measures

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|  | Likert-type items, ranging from 1 (strongly disagree) to 5 (strongly agree) |
| 1.Drug-use related health literacy |  |
|  | functional literacy(n=5) | * If I were the main character, I would reduce my access to at-risk places.
* I know what kinds of places are ‘at-risk environments’ that may expose me to illegal drugs.
* I know that the ‘special line for successful detoxification’ is 0800-770-885, and I will support my family and friends in need of those resources.
* For the "carnival party" mentioned in the advertisement, I know where to search for information to check if it is safe.
* If I were the main character, I know how to find helpful resources (for example, teachers or classmates) when I am too tired or upset.
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|  | interactive literacy(n=2) | * If I were the main character, when the senior said, "I am taking these pills myself, there is no problem!", I have learned relevant skills to refuse the senior's invitation.
* If I were the main character, I know how to explain his friend’s problem to the teacher, and assist and support his friend to stay away from illegal drugs.
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|  | critical literacy(n=7) | * I think "mysterious energy keeps you HIGH" is a trick to induce the use of illegal drugs.
* "Participating in a carnival party will make the mood very high" and "a rare opportunity" are all advertising techniques, and only the good side is said.
* I know that there are many ways to satisfy my pursuit of an adventurous and exciting life, instead of choosing to participate in this "carnival party".
* When others offer me pills of unknown ingredients, I will be more vigilant.
* If I were the main character, and discovered that the senior student "mysteriously took an unknown pill...he was full of energy after taking it...a strange smile appeared", I would be able to judge the senior student may have used illegal drugs.
* If I were the main character, I found a friend "has changed from overwhelmed to high, and mysteriously went to the Internet cafe to find a certain person who is suspected to buy drugs..." I could have the ability to judge this person may have used illegal drugs.
* If I were the main character, I knew how I might react when I was stressed, and I knew how to relieve it.
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| 2.Attitude(n=4)  | * Use illegal drugs is unpleasant for me.
* Use illegal drugs is bored for me.
* Use illegal drugs is useless for me.
* Use illegal drugs is not good for me.
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| 3.Subjective norm(n=5) | * I feel very stressed when someone invites me to take illegal drugs.
* My parents or relatives think that I should not use illegal drugs.
* My teachers think that I should not use illegal drugs.
* Classmates in the school (all the students in all grades are included) think that I shouldn't use illegal drugs.
* Friends outside school think that I shouldn’t use illegal drugs.
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| 4. Perceived behavior control(n=2) | * I am confident that I will not use illegal drugs.
* It is easy for me not to use illegal drugs.
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| 5.Behavioral intention(n=3) | * I don't want to use illegal drugs now.
* I don't want to use illegal drugs in the future.
* I will not use the illegal drug if I have the opportunity to come into contact with the illegal drug in the future.
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