

## DIY (Design It Yourself) FUN BOARD

### Goal

This strategy is for children, and it can be used not only to improve simple math computational skills such as additions, subtractions, and multiplications but also to encourage the students to use their creativity and knowledge in various subjects through designing their own board games (drawing and making game rules).

### Procedures

- Review mathematics skills based on grade levels.  
(e.g.) Kindergarten: additions only  
1<sup>st</sup> & 2<sup>nd</sup> Grade: addition and subtraction  
3<sup>rd</sup> and above Grade: addition, subtraction, and multiplication
- Apply mathematics skills with two dice. Children will use various mathematics skills to make the game rules.  
(e.g.) Add the numbers of two dice.  
Subtract the numbers of two dice.  
Multiply the numbers of two dice.  
Subtract the number on the black die from the number on the white die, etc.
- Review the content of the themes for designing the board games.
- Hand out the materials to the students to make their own board games.

### Materials

- Two dice of different colors
- Paper, markers, pencils, etc.

### Applications

Teachers can connect this strategy to other subjects such as science, history, and social studies. They can suggest various themes for designing board games based on the different learning

levels. Some examples of themes are some special days such as Valentine's Day, Groundhog Day, or Thanksgiving. Students can also make their own board game about a specific study subject such as space, historical events, even human digestion, etc.