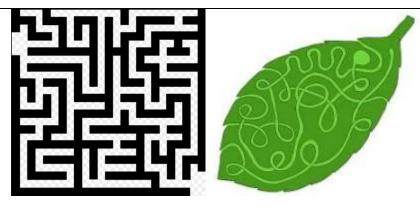
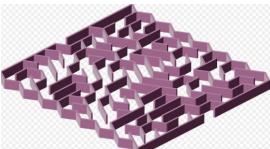
# makeblock

Teacher: Claire Lin	Grades: 3-5	Time Required:45 min
Subject: Game Design	<b>Teaching Objective:</b> 1) Students will have a clear pic	ture of game design procedures.
Materials		New Concept
<b>Teachers:</b> Teacher's Guide & Slides	Students: Pencils and Papers	Game Design (design procedures)
	The Teaching Sequence	
exactly? According to the exp the principles of game design	storming - Prototyping - Playtes f this lesson is to learn about Gam lanation from <i>Game Design Worl</i> has four fundamental steps: Brain	e Design. Then how to design a game kshop and The Art of Game Design,
<ul> <li>up with solutions or more idea carefully and decide which so the best solution or idea for la</li> <li>2) Prototyping: Turn your tools to create a physical protocan work with mBlock 5 to qu</li> <li>3) Playtesting: Expose protoc</li> <li>4) Iterate and complement:</li> <li>Guided Practice: <ol> <li>Brainstorming: (Teaching to design a paper maze game Navigate students to think abore games? What types of maze games</li> </ol> </li> </ul>	achers put forward with problems. as. And, teachers should remind st lution or idea is the best one. Final ter use. ideas into a real game. At first, t otype that is easy to play. When cr nickly turn our game ideas into real otypes to target players for testing a iterate the game based on the test ing objective) Let students think e, what would the game be like? but their previous experiences: "Ki ames then? Share with us, will you	Ily, help students find a way to record tell students to use pencils or other reating a digital prototype, students and get feedback from them. sting results and implement the game. k about one thing: If they're going ids, have you ever played maze
them to think.		

## Basics of Game Design Thinking

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## 2) Prototyping: (Teaching objective) Students will learn to create a game prototype.

Teachers demonstrate how to create a prototype.

Teachers: "You've just come up with plenty of game ideas. I've also designed a maze game of my own. This is my maze game design. Try it!"



**3) Playtesting: (Objective) Expose students to a pivotal step in game design -** *Playtest* "Kids, what do you think of this maze game? Any ideas to improve it?"

4) Fine-tuning & Completing: (Objective) Students will know how to fine-tune the prototype and complete the game design.

Fine-tune the maze game based on the test feedback.

### **Independent Practice:**

### It's Your Turn!

#### 1) Choose a solution

Help students conceive an idea of their own maze game.

Teachers: "You've just come up with so many ideas for your maze game. Now you have to choose a final design."

## 2) Prototyping:

Students start to create a prototype for their maze game.

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#### 3) Playtesting:

After students finish their designs, have them work in pairs to test their maze games mutually and give their feedback.

#### 4) Fine-tuning & Completing:

Fine-tune the game design based on the test feedback.

#### Share:

#### Presentation

Each student can invite others to try his or her game. Vote for the best game of the day.

#### Tailor your teaching plan

Enrich the tasks	Simplify the tasks	Manage the class effectively to help students learn easily		
Comments:				
Teachers' Reflections:				