Scratch Training

code::XtremeApps::2010
Junior Category

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Outline

- About CXA Junior Category
- Introduction to Scratch & Quick Demo
- Scratch Training (Part I)
- Break
- Scratch Training (Part II)
- CXA-2010 Tagline and Team tasks

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About CXA

- **code::XtremeApps:: competitions**
  - Started in 2007…
  - different from other software competitions (NSC, NOI, IOI etc)
  - based on *open* standards, *freely* available tools and platform, (*fun* to program)
  - Open Cat: *24 hours non-stop* coding jam

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Fun Platforms

- **CXA-2007**
  - GoogleMap Mashups, Google WebToolkit
  - Ruby on Rails
- **CXA 2008**
  - AdobeAir, IBM ProjectZero
- **CXA 2009**
  - Android, Python
- **CXA 2010**
  - GermaniumWeb, JBoss, Project Nimbus

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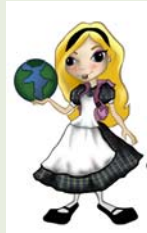Information Technology
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CXA Junior

- **2008 – Started Junior Category**
  - Fun easy-to-learn programming environment
  - For children 12 and below
  - Team based project (encourage teamwork)
  - Partnership with NYGH (Yeah!)
    - Providing venue to host event
    - Providing Mentors for the teams
    - And many other help…

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History of CXA Junior Category

Alice   **2008**   **http:/www.alice.org/**

Squeak   **2009**   **http://www.squeakland.org/**

Scratch   **2010**   **http://scratch.mit.edu/**

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Team Mentor

- **Each team is assigned a mentor**
  - Student in NYGH InfoComm Club

- **Act as a mentor to the team**
  - can get help from them
  - send them email/sms to ask about your project
  - send them your test project

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Ice Breakers

- **Let's Get to Know Each Other…**

About Scratch

- **MIT Media Lab**

- *Lifelong Kindergarten Group*

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Scratch Apps

- Where to get Scratch(ed?)
  - http://scratch.mit.edu/
  - Download and install

- View sample project (1)
  - http://scratch.mit.edu/projects/Adventurest1/973552
  - (done by http://scratch.mit.edu/users/Adventurest1)

- View sample project (2)
  - **A Maze Game**
  - **Done by Kia JieHui & Gywneth Teo**

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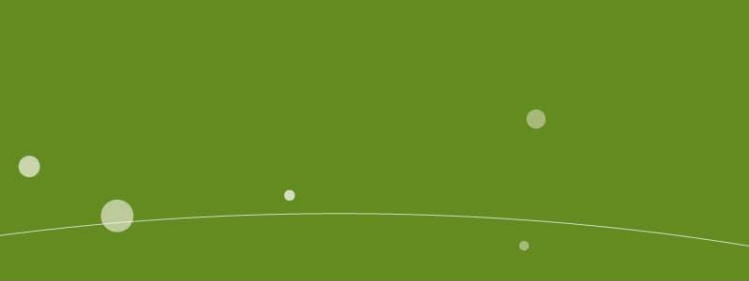
Goto Scratch Training Part I

Team Task

- **From NOW to 28-June-2010**

- **Work on your entry that will that will address the competition "tag-line"**

- **Your entry can be a story, a game, an animation, a quiz or any combination of these.**

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Tag Line

- **Code::XtremeApps::2010 Junior Category Tagline**

> "Caring for our
> clean & green environment"

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Some Advice

- **START EARLY (start NOW!)**
- **Set up your first meeting**
  - Brainstorm ideas,
  - Organize / Plan out your "play"
  - Try out ideas with small test programs
- **Get help early (mentor)**
  - Help you to revise plan, if necessary

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Work with Mentors

- **Communicate with Mentors**
- **Tell mentor your ideas**
- **Get comments from them**
- **Get help from them, if necessary**

Mid-Term Review

- **Mid-Term Review**
  - 22 June 2010, Tuesday
  - 10am -- 12nn
  - NYGH, Computer Lab 1 (here!)
- **Purpose:**
  - Review your project progress
  - Give feedback to you
  - Answer your queries, if any
  - Network with our teams, have FUN!

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IMPORTANT

- **Read the Rules of the Competition**
  - About Submission Deadline
  - About what to submit
  - About the Judging Day
  - About Judging Criteria

Thank you!

- Learning More:
  - http://scratch.mit.edu/
- Download other people's program
  - **Learn and Share**
- Questions? Go to the discussion forum