

## Scratch Advanced

1. Welcome Back
2. What are we going to do this year?

## Cryptography

1. Sending Secret Messages
2. Cracking codes

## Piano.

1. We will build a Piano application
2. Record tunes
3. Playback tunes
4. Import tunes from a file?

## Christmas Card

1. We can build an animated Christmas Card
1. With Falling Snow
2. With Flashing lights
3. Maybe a moving elf or two.

## Other Applications

1. Paint.net
  1. For drawing and editing images
1. Audacity
  1. For recording and editing sounds

## Stop Motion

1. This always work well
1. We will come up with a cool challenge

## Networking

1. Scratch 1.4
2. Python
3. Sending simple messages to another computer.

## Engine

1. How does your car engine work
2. We will build an application that shows you how it all happens

## AppInventor

1. We will use AppInventor again.
2. Christmas Countdown and other applications.