

## Kaleidoscopes

This small section covers two apps which are about making kaleidoscopes. In education this could be for all forms of art and very importantly for our children and students visual stimulation.

	<p><b>TumbleVision</b> This is one which I would use for visual stimulation. When used with a data projector, the kaleidoscope can be projected onto an umbrella, which looks wonderful and is very visually stimulating.</p>
	<p><b>KaleidoVid</b> Is actually an iPhone app that works really well on the iPad 2 and onwards. However whilst writing this paper I did have problems with mine not taking photographs.</p>

## Music Creation

I have split this section into three. Easy - which will be for those with more profound and multiple disabilities; moderate which will be for those who will be able to interact with a little more accuracy and, lastly complex. The complex apps are those that require in a little understanding of music and reasonable coordination to operate.

### Easy music creation - voices and pictures

	<p><b>Songify</b> Simply say a sentence into the iPad and 'Songify' will turn it into a song for you. It's very cheesy, but it is a whole lot of fun and you don't have to use words - just noises will do fine.</p>
	<p><b>Autorap</b> Just the same as 'Songify' except it creates a rap. It's wonderful fun &amp; is a little more trendy and cool.</p>
	<p><b>VidRhythm</b> This is the best music app out on the iPad if you want something that is really good fun and involves a group of children or students. All you have to do is take the photographs and it puts them into a music video.</p>

## Easy music creation - making songs and video

	<p><b>LaDiDa</b> Similar to 'Songify' in that this will actually make it sound like you can sing and includes a pretend live audience.</p>
	<p><b>AutoRap</b> Talk into the app, and AutoRap magically morphs your speech into a real rap. It does lots more, but it works well with just a vocalisation.</p>
	<p><b>VidRhythm</b> A personalised music and video app. You are prompted to take a series of photographs, choose a tune and make your own music video. This app is a must!</p>
	<p><b>MadPad</b> A little like VidRhythm, but this time you are encouraged to move around your environment and make video and sounds with objects, then MadPad turns the video and sounds into a tremendous music video.</p>

## Easy music creation - easy instruments

	<p><b>ThumbJam</b> A little virtual keyboard that plays musical instruments from pianos, saxophones, violins right through a range of instruments - even a theremin! This is one of the apps I use to create vibration on resonance boards or inflatable chairs.</p>
	<p><b>Magic piano</b> - an app from a brilliant company called Smule. Any app these guys turn out is normally fantastic. You can free play on varied shaped keyboards or play along with songs like Twinkle Twinkle Little Star, to compositions from Mozart and lots of others. One of the best piano apps on the iPad.</p>
	<p><b>Air</b> Air is an iPhone app but works fine on the iPad. It assembles vocal and piano samples into a beautiful, still and ever changing composition, which is always familiar, but never the same.</p>
	<p><b>MusicSparkle</b> Piano and xylophone to electric guitar - that sparkles. Really nice for the younger age group. Also very colourful for visual learners. Simple but fun.</p>

## Easy music creation - Drawing instruments

There are probably thousands of music creation apps for the iPad. These ones are really fascinating because they involve drawing. So not only are they great for creating musical sound, they are also wonderful for fine control.

	<p><b>Squiggle</b> A stringed application for the iPad. You can simply draw music in the way of lines and play them like strings.</p>
	<p><b>Soundrop</b> Another musical lines application, with a slightly different approach. Draw a line, drag and drop and listen to it play. You do not have to have good fine motor control for this app.</p>
	<p><b>Bubble Harp</b> Touch controlled music creator. Run your finger across the screen and watch the bubble/spiders web appear and play music. Nice easy app for gross motor.</p>
	<p><b>SoundBrush</b> With SoundBrush, you can draw music on an iPad. Create musical masterpieces with a swipe of your finger. Draw a line or a shape to create sound, and let SoundBrush turn it into music.</p>
	<p><b>Singing Fingers</b> Singing Fingers lets you fingerpaint with sound. Just touch the screen while you make a sound, and colorful paint appears. Touch the paint to play back the sound again! Nice for young children.</p>
	<p><b>Waviary</b> Simple multi-touch control allows anyone to effortlessly create lush ambient soundscapes and environments, or simply listen as Waviary generates it's own "forest-like" sonic environments.</p>
	<p><b>Bloom</b> created by Brian Eno of Roxy Music fame. Part instrument, part composition and part of our work. Blooms' innovative controls allow anyone to create elaborate patterns linked to unique melodies by simply tapping the screen. It must for early switch skills.</p>

## Music creation - Visual Instruments and Loops

	<p><b>MMP One Matrix Music Pad</b> I have used this for a long time and it is tremendous for creating dance tracks. Will be great for older students and children. It requires pretty good fine motor but not too difficult.</p>
	<p><b>Beatwave</b> Firstly this up is free. Using just your finger, you simply tap the screen to make a note. Add more notes and taps and you can begin to make a very complex songs in no time at all. This is also very visual so really nice to some of our children or students.</p>
	<p><b>PatternMusic MXXIV</b> Pattern music is really incredible for creating amazing music. However you really need to watch the introduction video to get to grips with where to start with this thing. Once you get the hang of it it is quite incredible.</p>
	<p><b>iDrum: Depeche Mode Sounds of the Universe</b> Lets you interact with, and instantly remix, elements from the legendary band's new album. Take control and re-arrange rhythms, drums, effects and more from songs. Its complex but great fun.</p>
	<p><b>Thicket</b> Thicket is an audiovisual world of texture, movement, line and tone. Thicket is part art piece, part toy, part wind chime, part spiderweb. If you like snowflakes, chaos, fire, and music without words, Thicket is for you.</p>
	<p><b>Garage Band</b> Use Multi-Touch gestures to play pianos, organs, guitars, drums, and bass. They sound and play like their counterparts, but let you do things you could never do on a real instrument. There is a range of Smart Instruments that make you sound like a pro.</p>
	<p><b>djay</b> This is a expensive but wonderful app for anybody who wants to practice being a DJ. The visual twin decks are based on the old SL 1200s and and you can mix, phase, and scratch to your hearts content. If you are an old DJ like me you will be able to really impress the kids with your skills. If not just play and it will come together.</p>

## Music creation - Visual and Virtual Instruments

These are instruments which mimic the real thing. The best place to see what many of these instruments can do is YouTube. Then you will be able to gauge how difficult or easy they really are.

Some of them are fairly complex to use, but if you have an understanding the instrument or music, this helps.

	<p><b>Animoog,</b> Powered by the new Anisotropic Synth Engine (ASE), is Moog Music's first professional polyphonic synthesizer designed exclusively for the iPad. ASE allows you to move dynamically through an X/Y space of unique timbres to create a constantly evolving and expressive soundscape. If you understood that companies description, pay the £20 and have fun!</p>
	<p><b>Pianist Pro</b> The ORIGINAL iPhone piano, turns professional for the iPad with photo-realistic graphics and an great sound. Pianist Pro was the number one music app for the iPad at release and has remained in the charts ever since.</p>
	<p><b>Virtuoso Piano Free 2 HD</b> This is the lite version of Virtuoso Piano, the grand piano for iPod touch and iPhone, but it works fine on the iPad. Its less complex than Pianist Pro so a little more limited but it's free.</p>
	<p><b>Drum Kit</b> Drum Kit is a realistic drum app. It's easy to use and works well with a little fine motor skills needed. Play along to songs in your iPod Library and record your own versions of them. Layer tracks and create your own original songs.</p>
	<p><b>DigiDrummer Lite</b> DigiDrummer Lite makes it easy and fun to play drums on your iPhone and iPod Touch! But works on the iPad. It's a simple digital drum kit with large touch pads.</p>