# best free tech resources

## for music teachers 2020

midnight music

# about this session

# Katie Wardrobe

## Midnight Music

digital learning coach for music teachers

podcaster, blogger, speaker

# housekeeping

- tech issues – usually your internet (!)
- copy of slides – provided
- Moderator of chat: **Martin Emo**
- longer Q&A at end

# new!

- annual guide
- 50+ new listings

midnightmusic.com.au/freeguide2020

# about this session

- hand-picked highlights
- some old favorites
- new discoveries
- there's MUCH more in the guide!

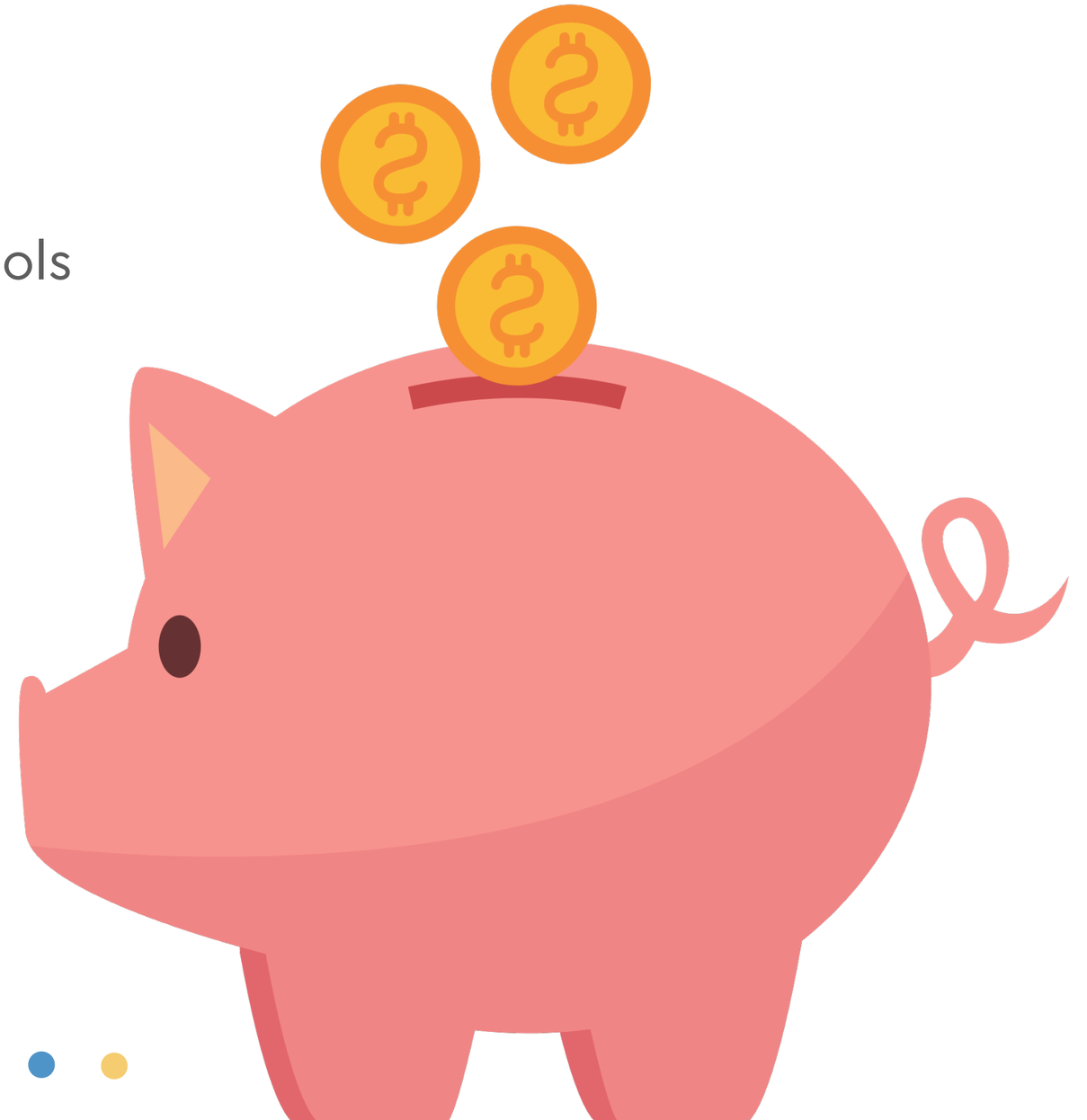
# today we'll look at...

- compose & create
- virtual instruments
- the orchestra
- create your own resources
- video creation
- miscellaneous extras

# a few notes about free resources

# limitations of free

- mindset: these are (mostly) simple tools
- use to supplement paid options
- check age requirements/privacy
- they can disappear or stop working



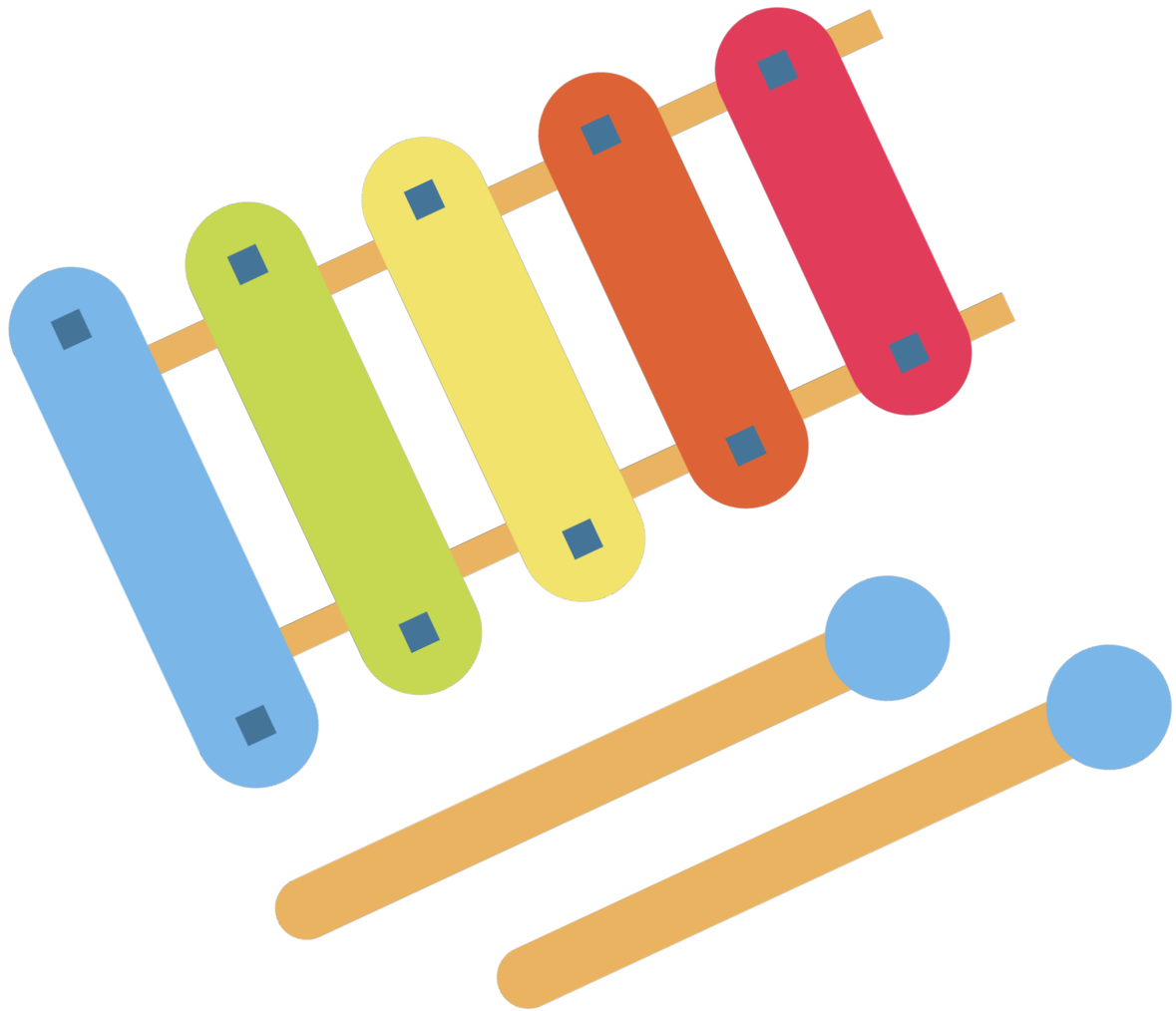
# Flash-based sites

- Flash: discontinued at end of 2020
- some free sites will not survive
- you need to let it go...
- find other options

# virtual instruments

# virtual instruments

- Xylo – Playsprout
- Virtual Piano – Recursive Arts
- Virtual Piano – Musicaa
- Shared Piano
- Keyboard & Body Synth
- aQWERTYon



# Xylo

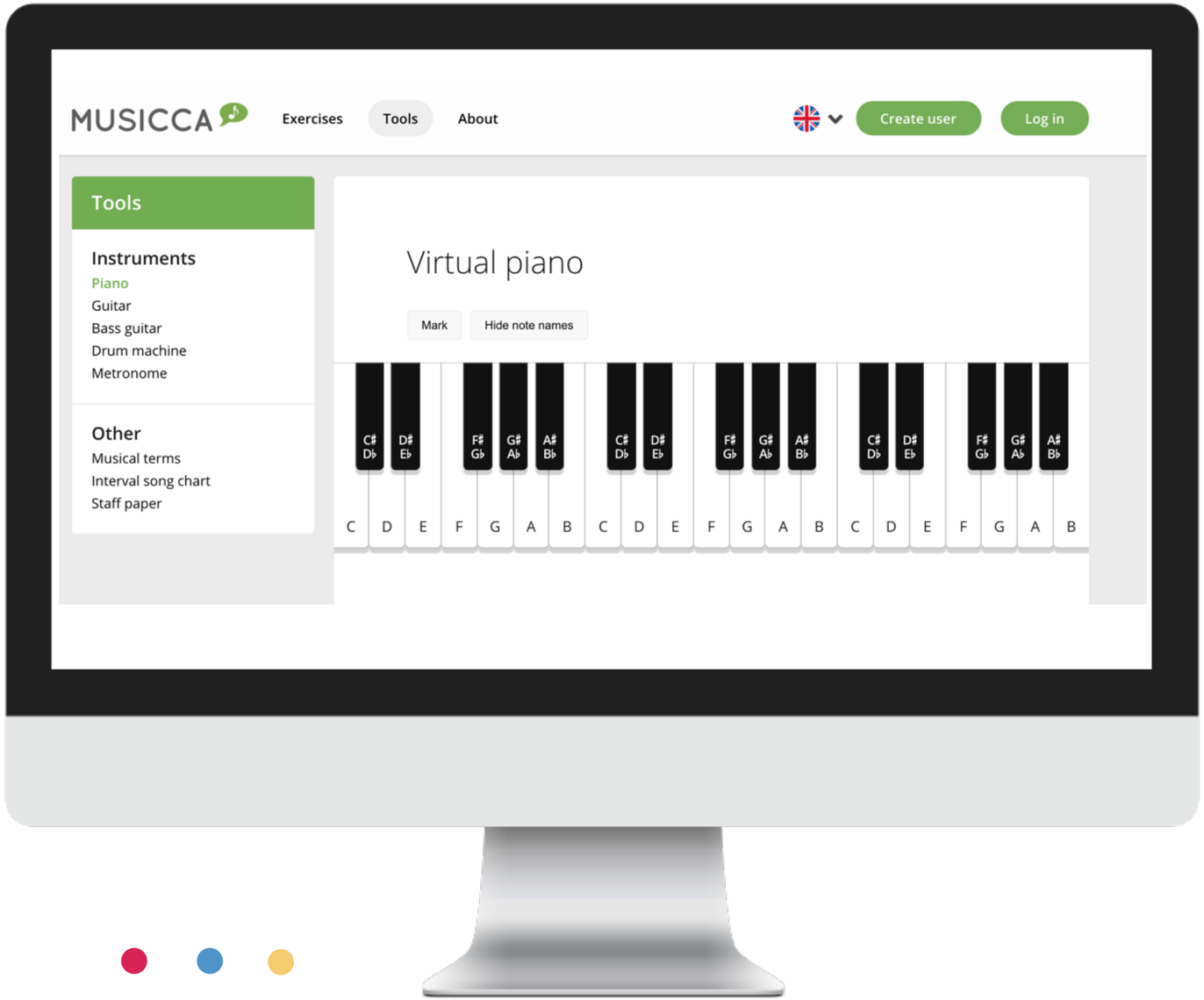
- Playsprout
- big and bold!
- play with mouse or computer keys

# Virtual Piano

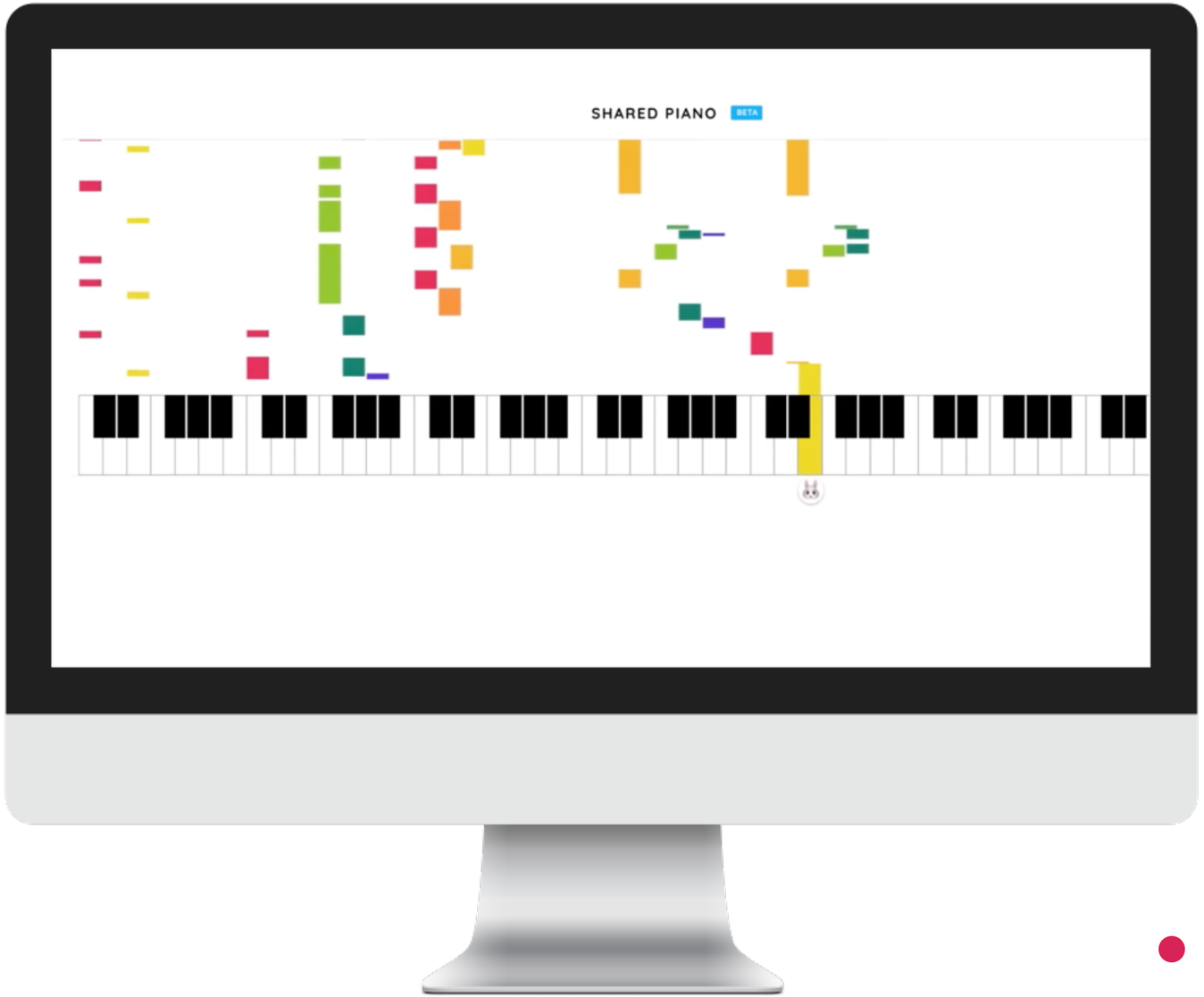
- Recursive Arts
- choice of four synth sounds
- play with computer keys
- has preset songs
- sustain on by default (!)

# Virtual Piano

- Musicaa
- piano sound
- note names (optional)
- can “mark” a series of keys to hear them played together
- play with computer keys



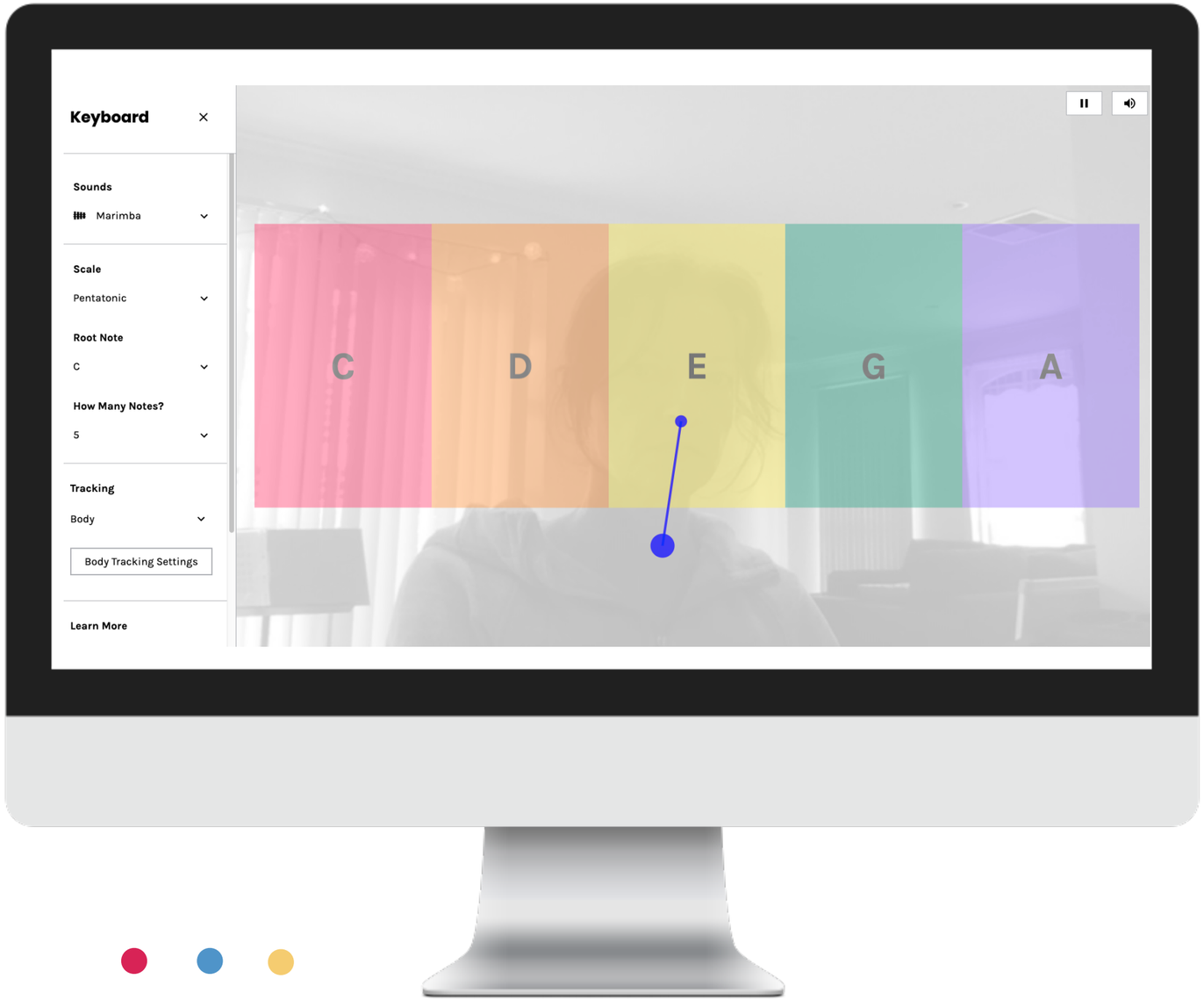
# Shared Piano




- play together live: up to 10 people
- join via link
- variety of sounds incl. drums
- scroll up to “replay" sounds
- note names on/off
- 2–7 octaves

# Keyboard

- Google Creatability Experiments
- AI tracks body movements
- track nose, wrist, elbow, knee, ankle
- voice activation



## Keyboard

### Scale

Pentatonic

### Root Note

C

### How Many Notes?

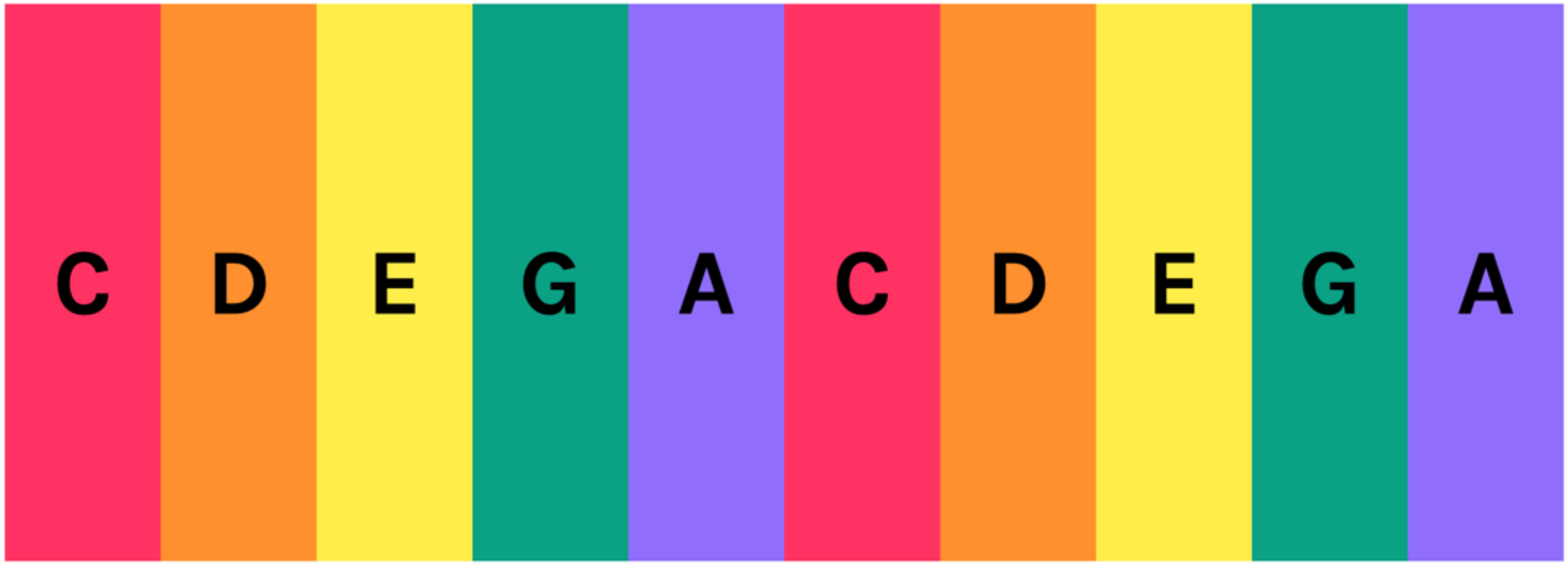
10

### Tracking

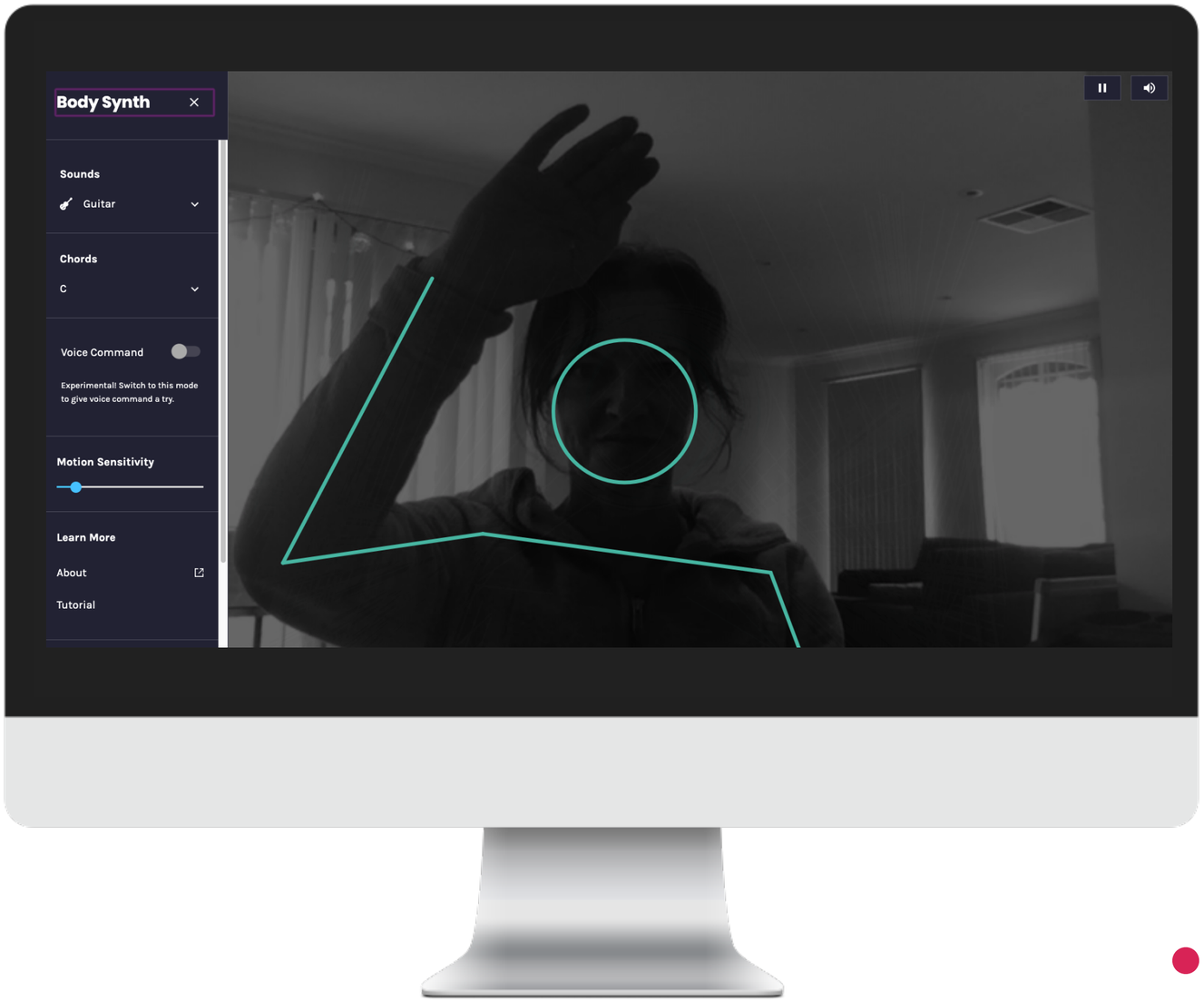
Body

Body Tracking Settings

### Learn More



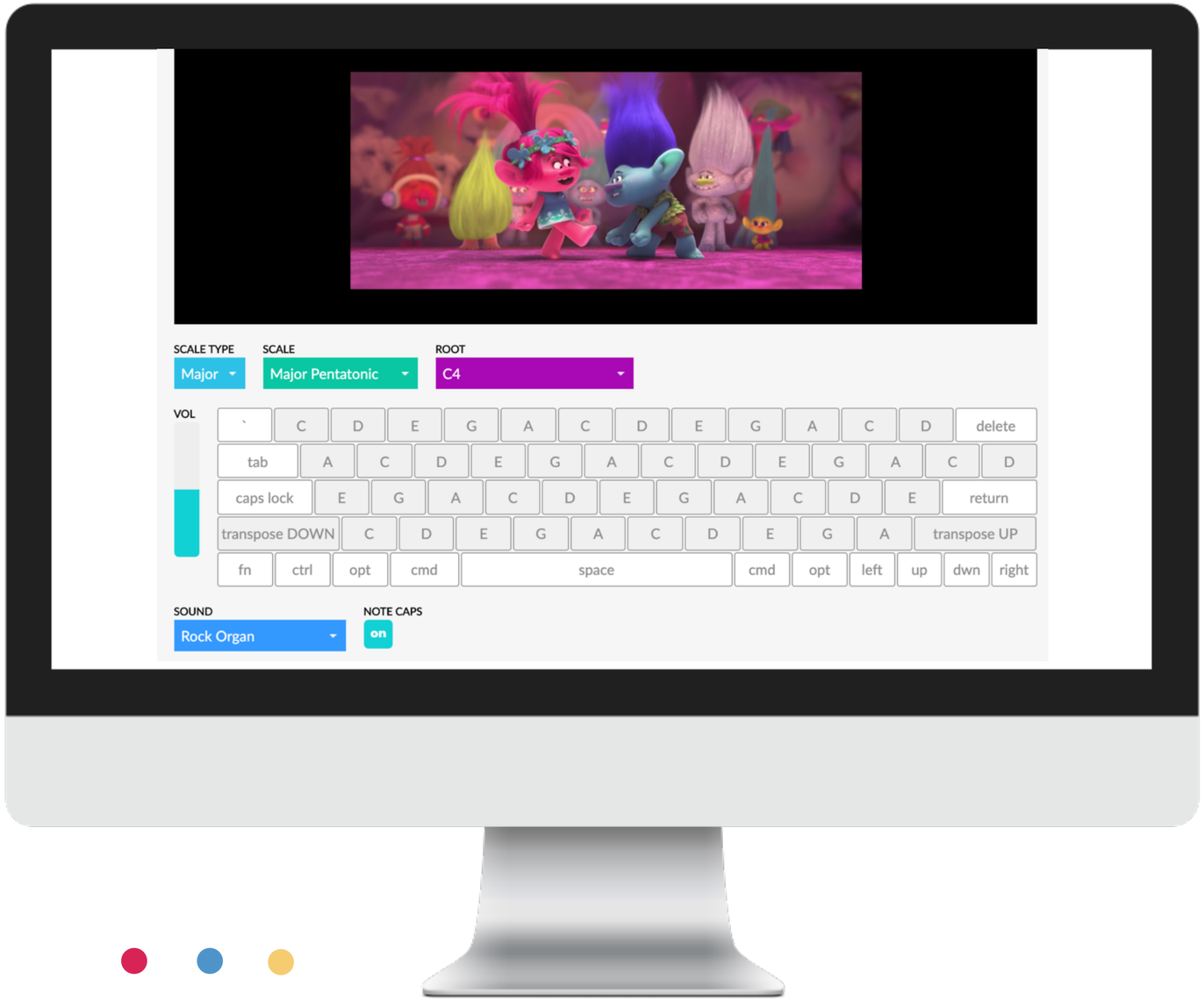
# Body Synth




- AI tracks body movement
- choice of chords to play
- four playback sounds
- can adjust motion sensitivity

# aQWERTYon

- computer as instrument
- key, set scale, root, sound
- embed video
- playalong
- save/share presets



SCALE TYPE: Major

SCALE: Major Pentatonic

ROOT: C4

VOL

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ` | C | D | E | G | A | C | D | E | G | A | C | D | delete |
| tab | A | C | D | E | G | A | C | D | E | G | A | C | D |
| caps lock | E | G | A | C | D | E | G | A | C | D | E | return | |
| transpose DOWN | C | D | E | G | A | C | D | E | G | A | transpose UP | | |
| fn | ctrl | opt | cmd | space | | | | | cmd | opt | left | up | dwn | right |

SOUND: Rock Organ

NOTE CAPS: on

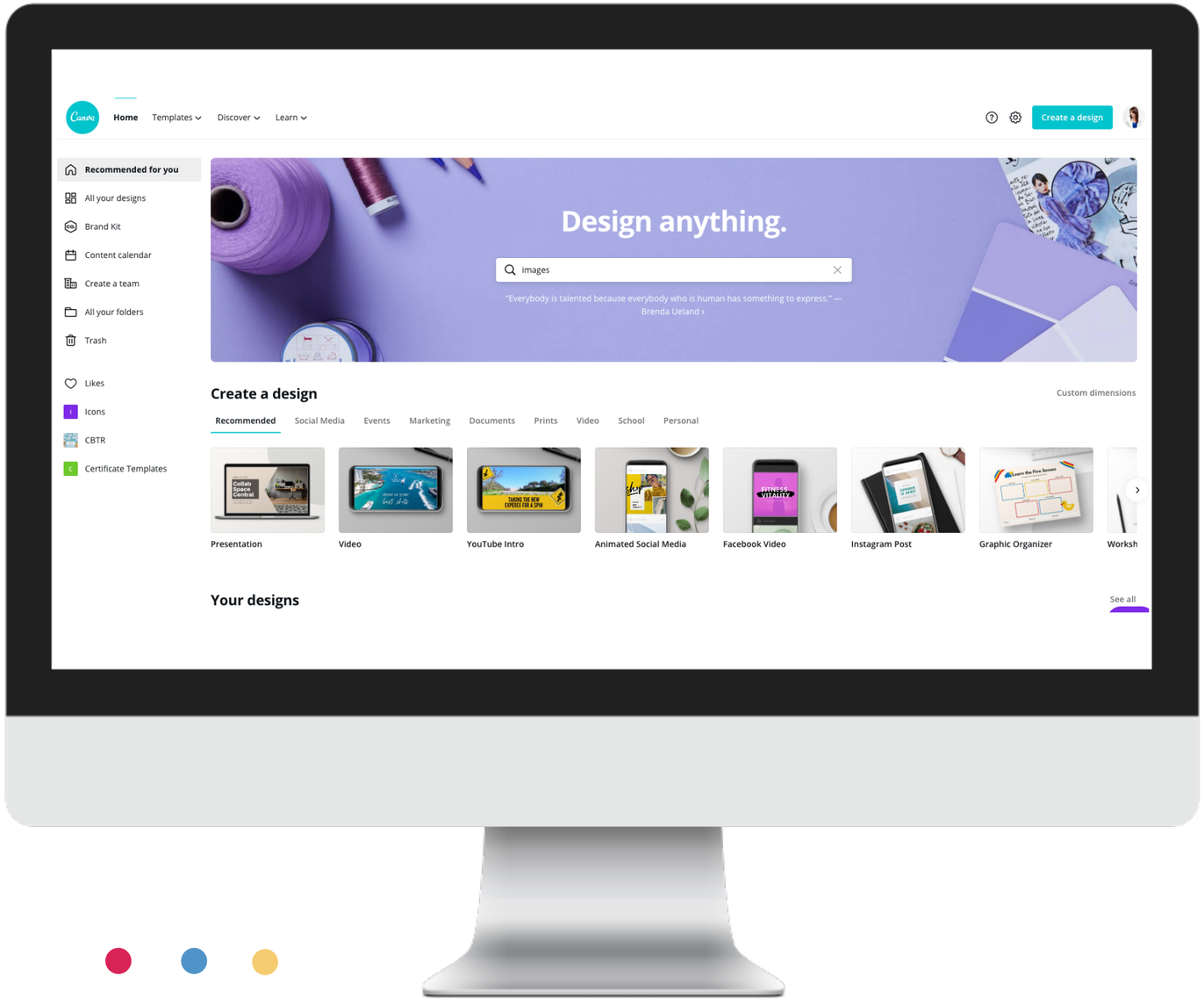
# create teaching resources

# create teaching resources

- Canva
- Remove.bg
- Word Art
- Bingo Baker

# Canva

- free for educators
- online design tool
- HUGE library: clipart, photos, templates, videos...
- make posters, worksheets, videos, gifs, virtual classrooms, social media posts



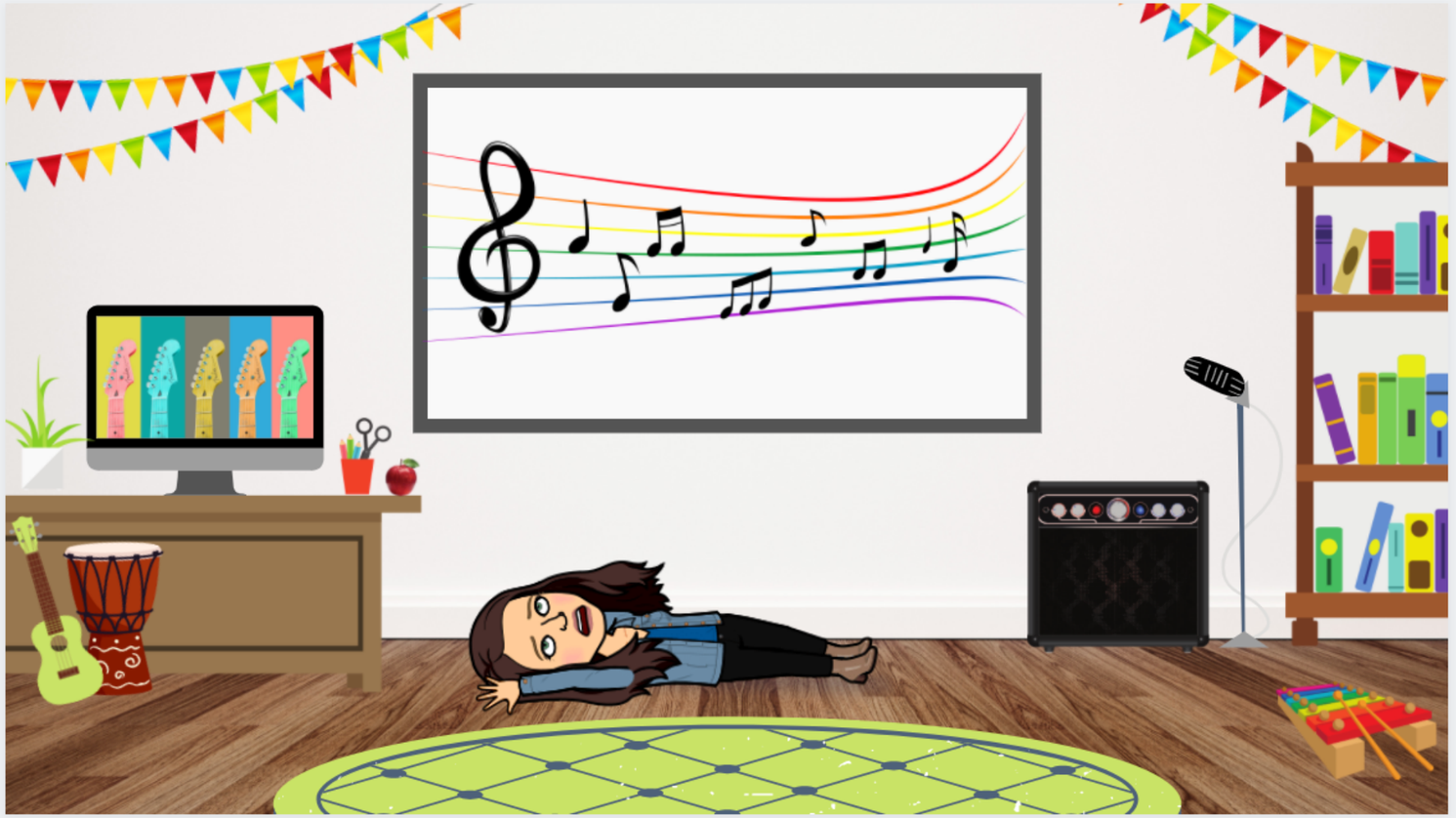
Home File Resize *All changes saved* CBTR: Virtual online classroom Share Present

Templates
Photos
Elements
Text
Music
Videos
Bkground
Uploads
People
Background
Charts
Folders

percussion

Animate

Page 6 - Other things you can add and Bitmoji



Page 7

61% Help ?

## Posters

We'll learn how to make a range of posters that suit all classrooms! Motivational quotes, Meet the Teacher, event posters, classroom rules, anchor charts and more!

## Worksheets

We'll learn how to look at structure/layout, colors, as well as how to add and edit elements, icons, images (photos and illustrations) and emojis.

## Digital reward badges

Create digital badges to reward your students for their achievements – big or small. These are great for motivation, gamification of learning or to represent microcredentials.

## Animations & videos

Canva includes options to easily create slick videos and gifs. You can also create quick little animated designs super-fast!

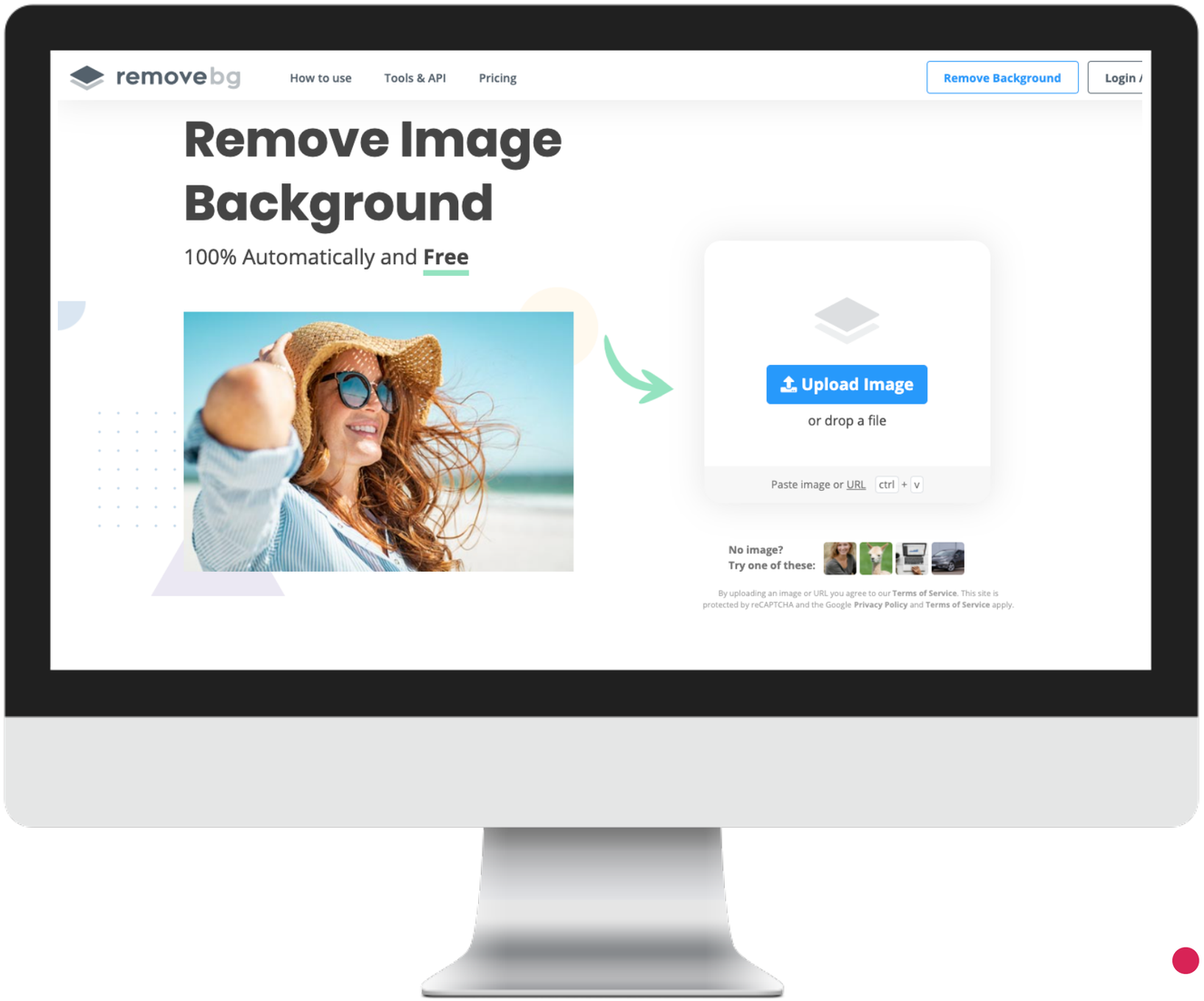
## Virtual classrooms

Make your colleagues jealous (!) with the unique furniture, accessories, and backgrounds in your Canva-created virtual classroom. Canva has a brilliant range of customisable elements you can use in your design.

## Themed images

Explore your creative side by making a "themed image" for a unit of work like under the sea, outer space, summer camping, Dr Suess, Peter and the Wolf, or Halloween. Add links to your image that lead to tasks or resources for students.

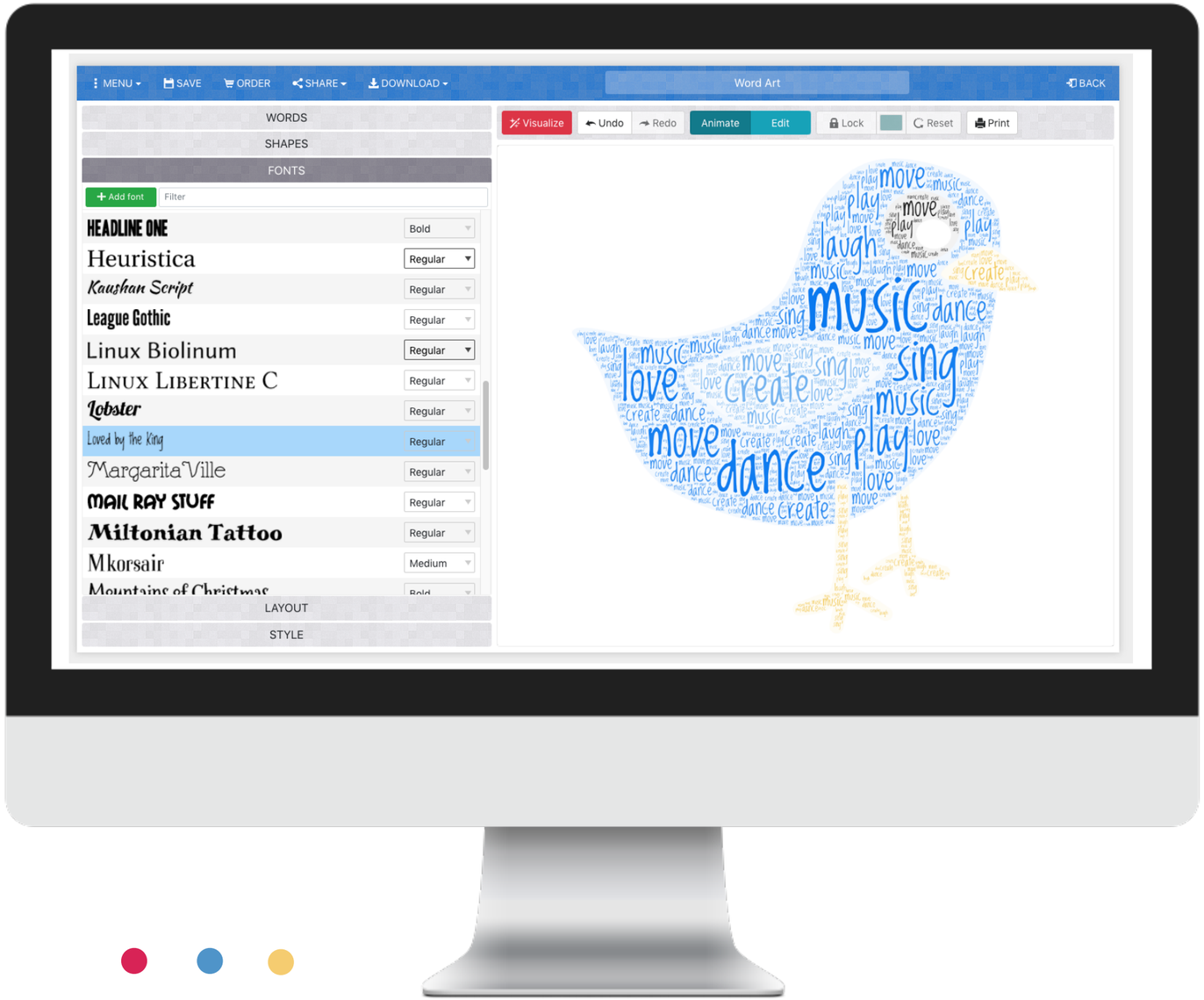
# removebg



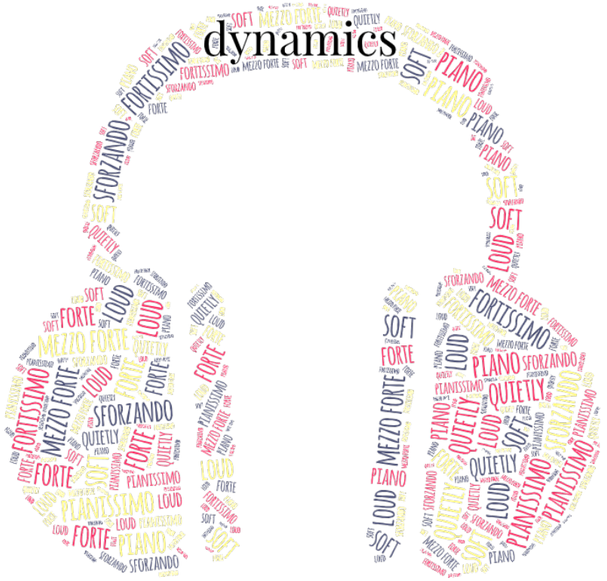

- upload image
- it will remove background automagically
- download transparent version

# Word Art

- enter a list of words
- select shape
- choose font, colors, layout
- generate word art picture



# Word Art examples



# Bingo Baker

- enter list of words
- can also use images
- generate bingo "cards"
- can play online or print out
- good for Zoom/Google Meet!

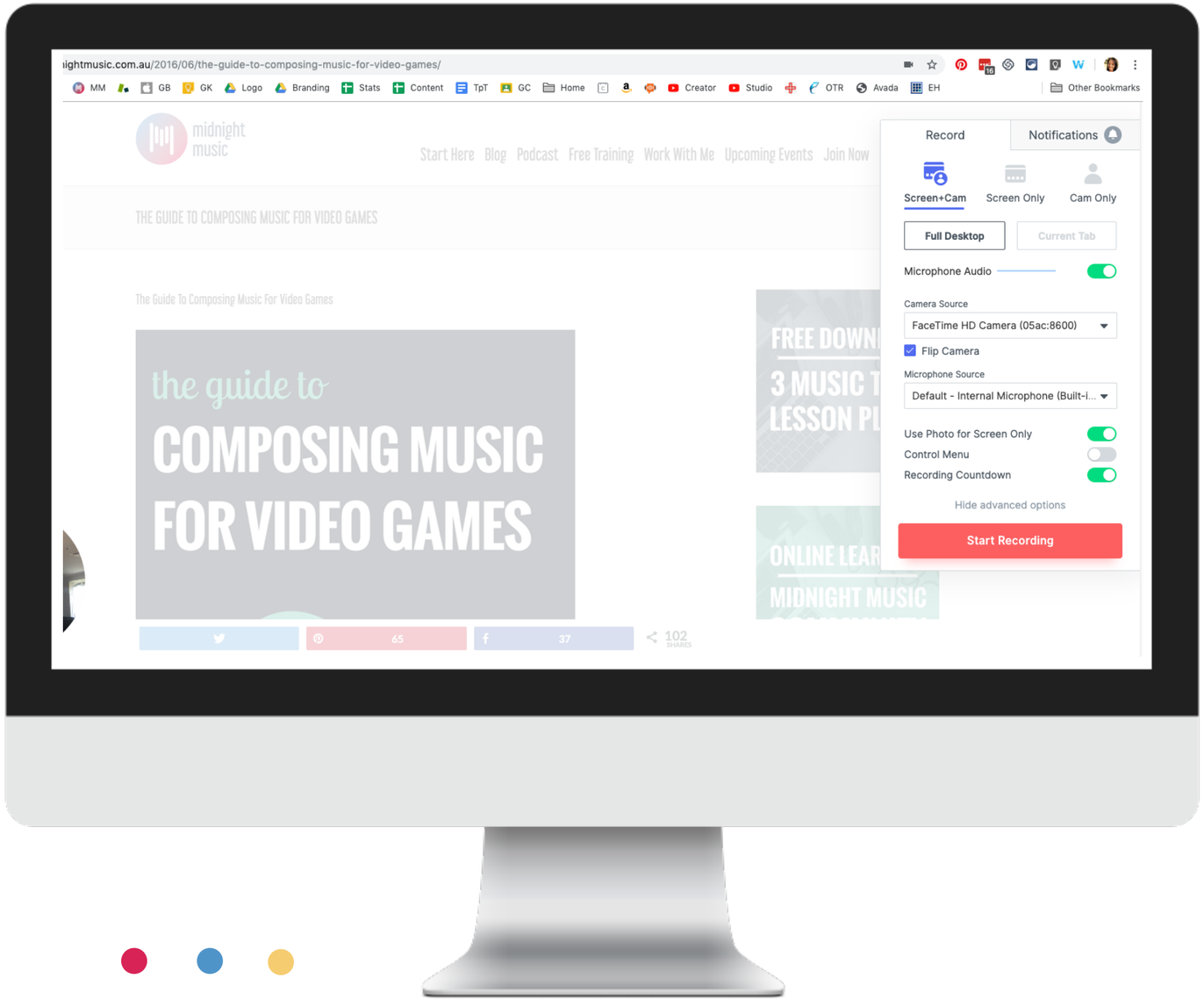
# video creation

# video creation

- Loom
- Screencastify
- Flipgrid

# Screencastify & Loom

- record your screen &/or webcam
- record tab audio
- teaching videos, assessment, feedback
- sharing link available instantly
- can download videos



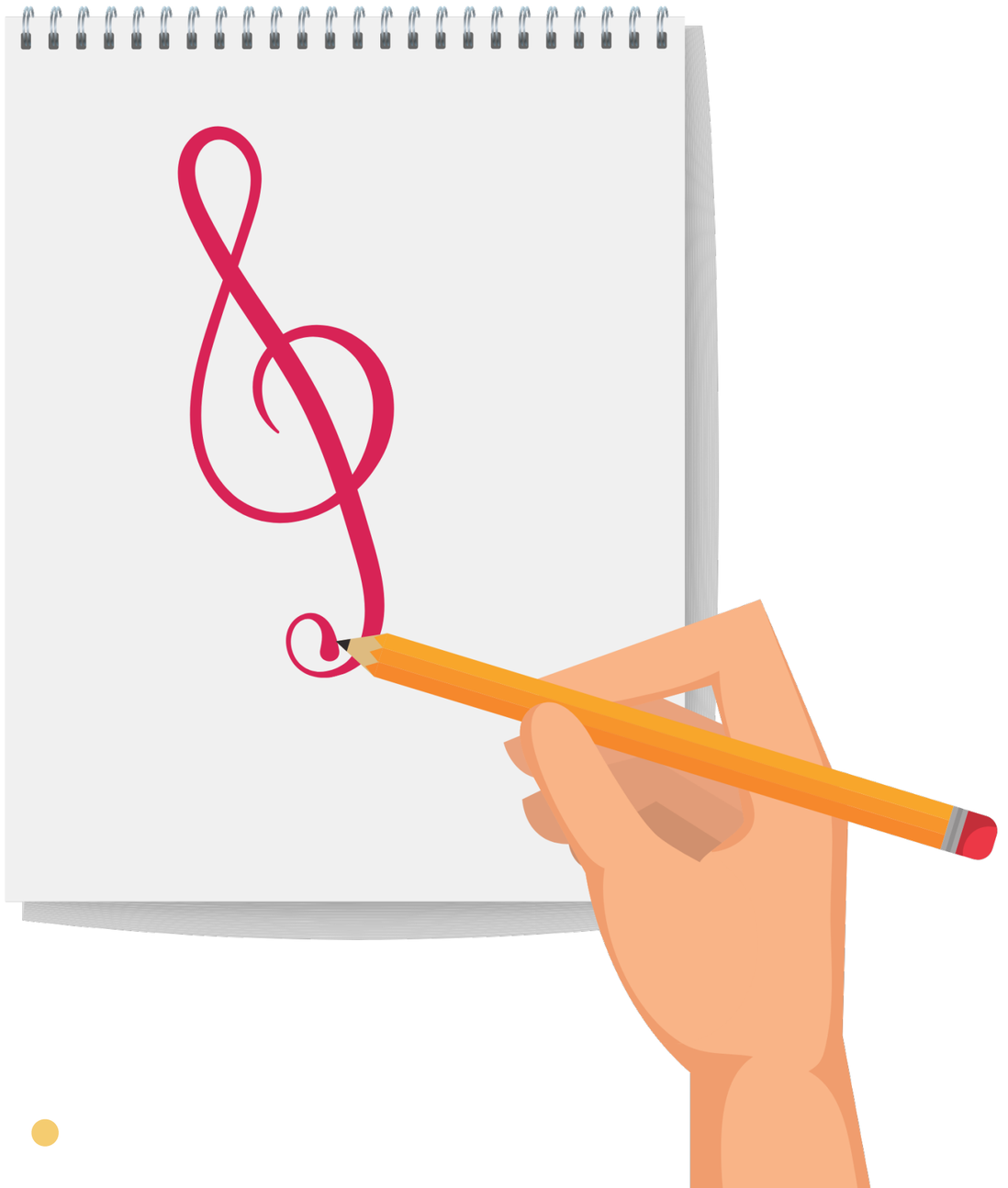
# Flipgrid

- video response platform
- easy way to gather videos from students
- create your own teaching videos
- playing assessments, composition, performance, ear-training, verbal responses & more
- Flipgrid for Music Teachers webinar

# compose & create

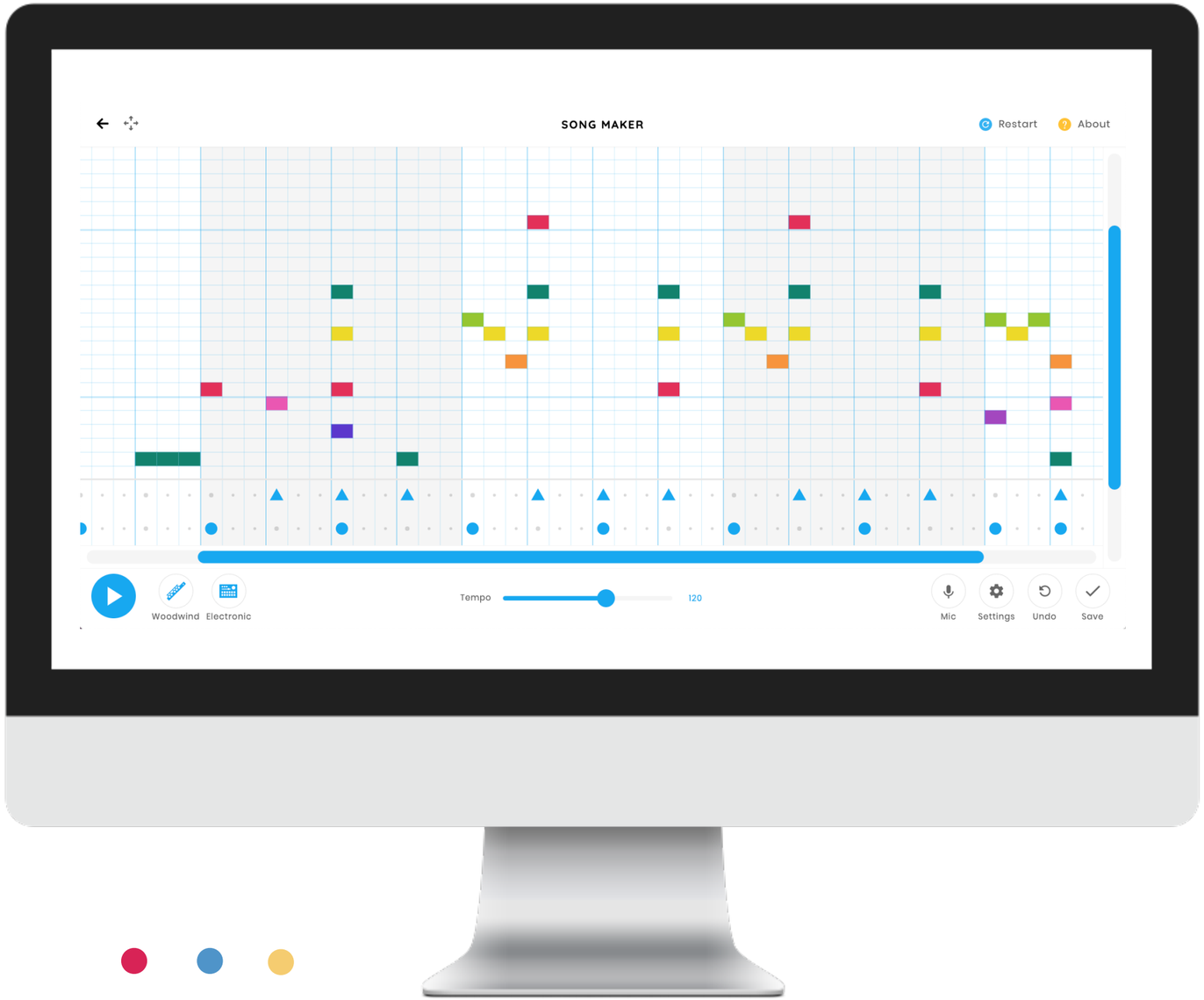
# compose & create

- Song Maker – Chrome Music Lab
- Incredibox
- Groove Pizza
- Beepbox
- Bandlab



# Song Maker

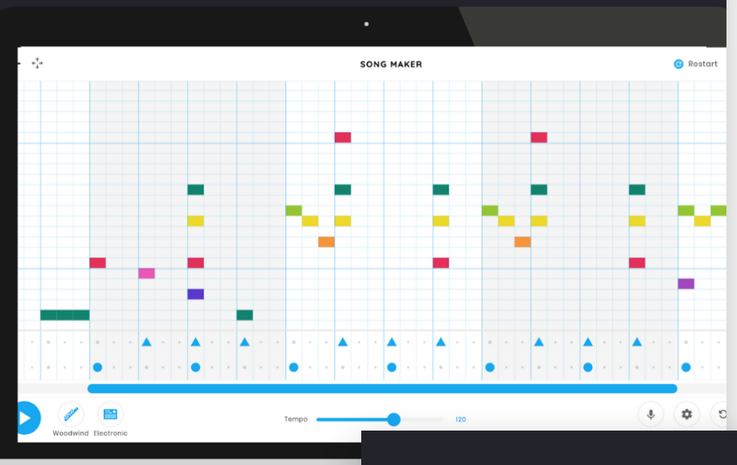
- from the Chrome Music Lab
- create melodic & rhythmic compositions
- simple visual tool
- intro to graphic notation
- save via link



# star wars lessons

*featuring*

the Chrome Music Lab Songmaker




# 3 Jedi levels

*can your students do them all?*

level 1: Padawan

level 2: Jedi Knight

level 3: Jedi Master

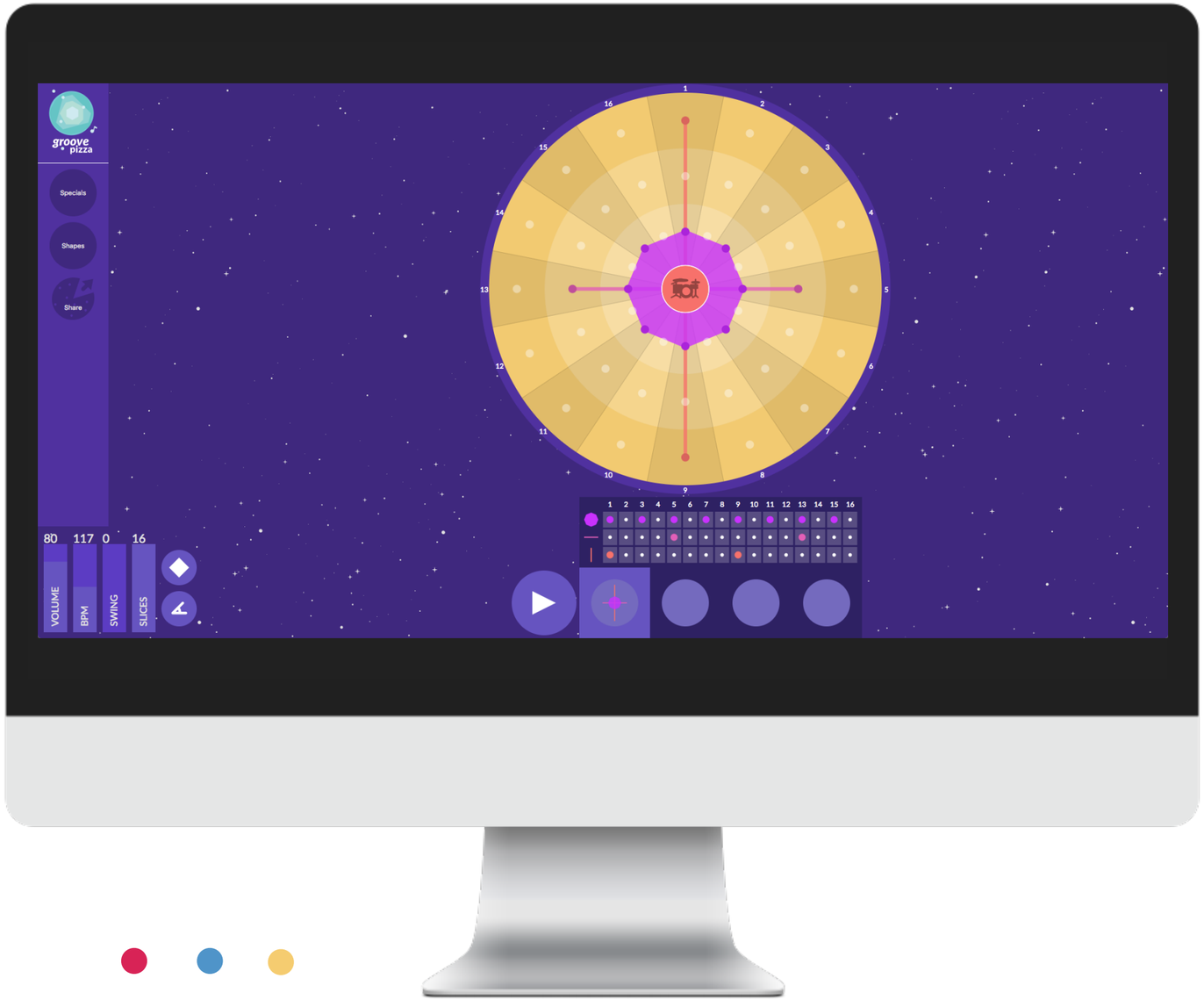
midnight music

# Incredibox

- updated version (non-flash)
- remix/arrange loops
- record your “performance”
- use to teach beatboxing, a cappella singing, arranging, dj skills, create backings

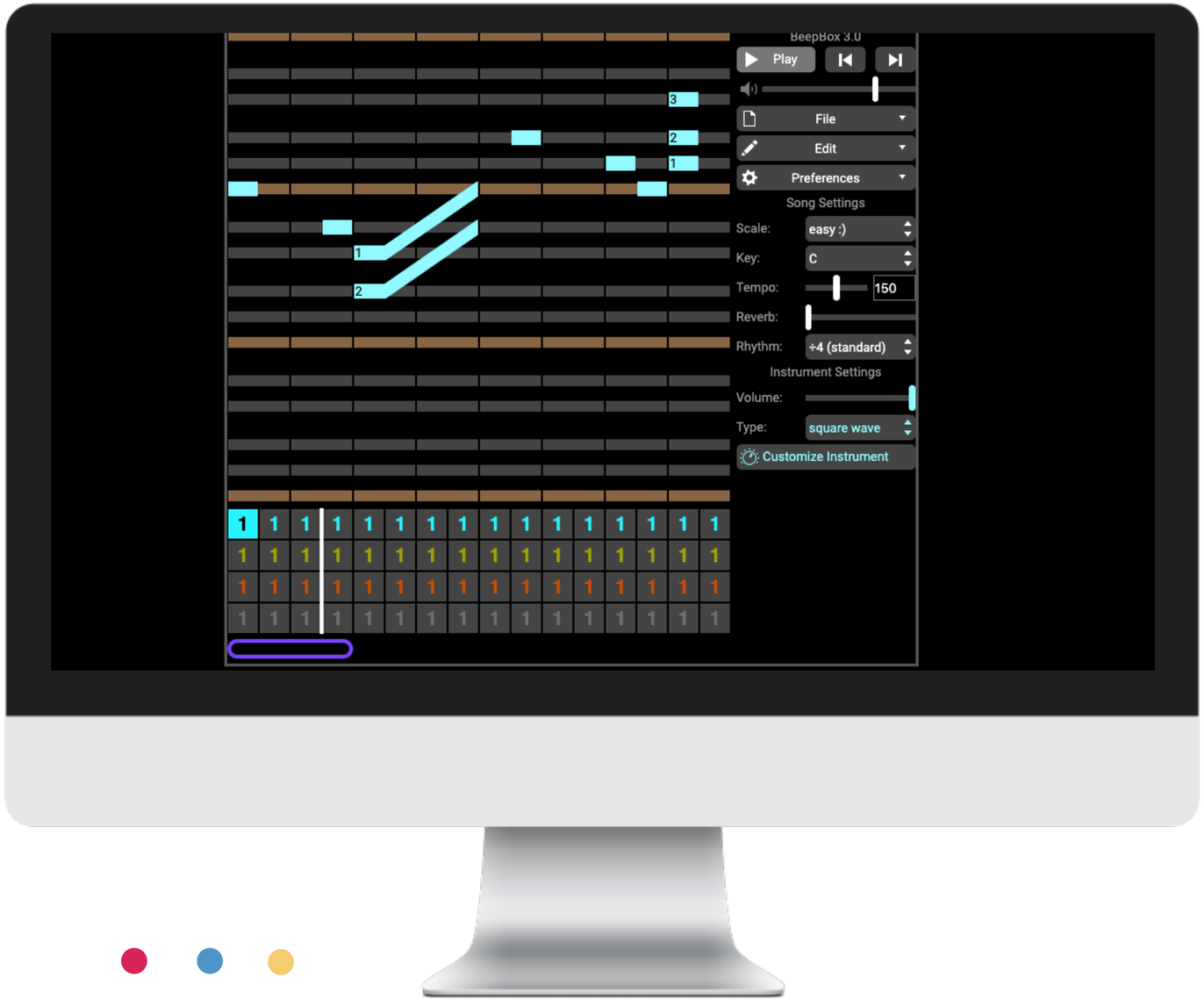
# Groove Pizza

- online drum squencer
- circular pizza shape
- create patterns, adjust playback sound, tempo, swing

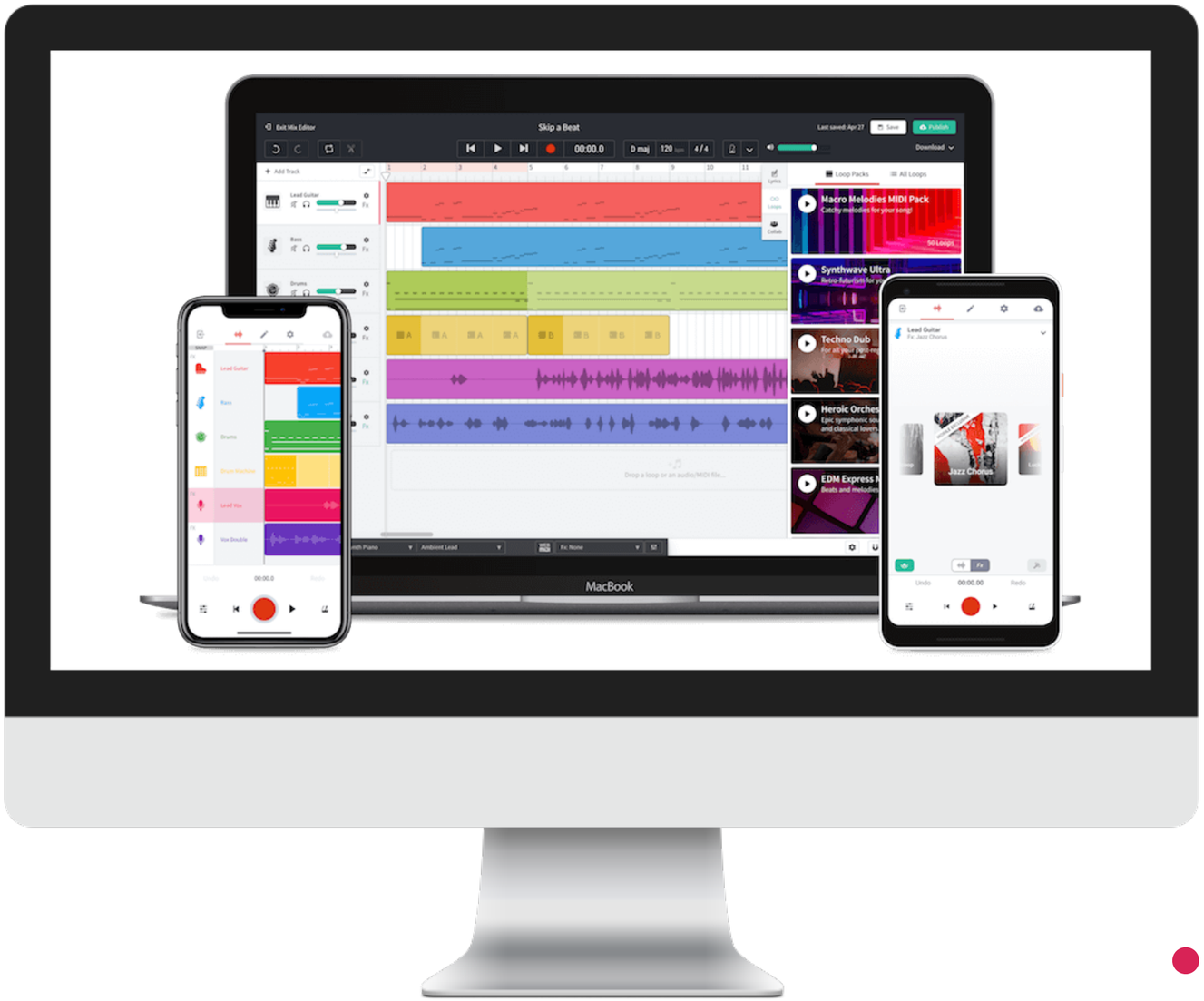


# Beepbox

- video game music composition
- step sequencer
- Mario-style
- more options than you would think!



# Bandlab




- like GarageBand or Soundtrap
- online digital audio workstation
- record audio
- play and record virtual instruments

# the orchestra

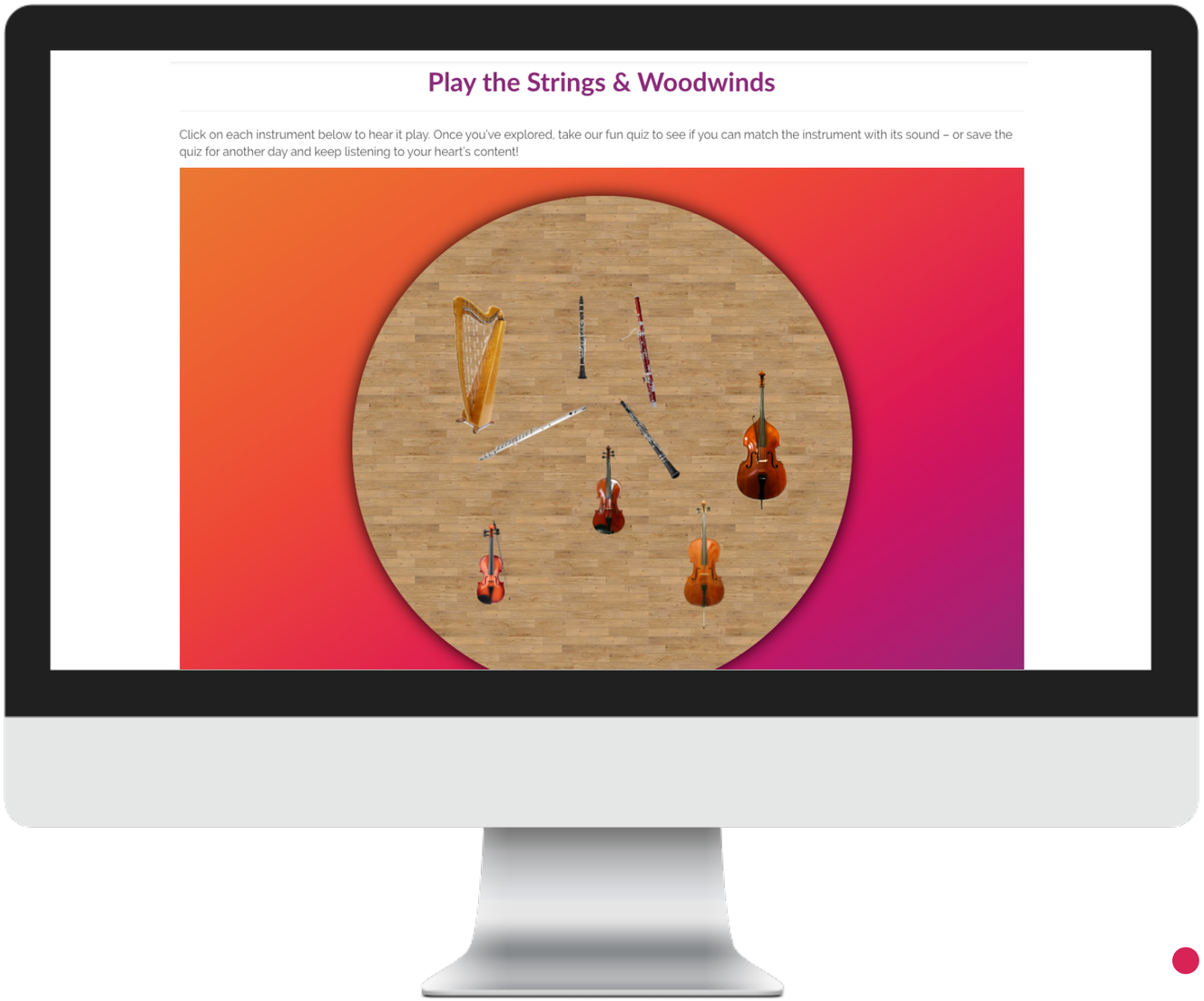
# the orchestra

- Melbourne Symphony Orchestra Learn
- Inside The Orchestra
- Dallas Symphony Orchestra Kids

# DSO Kids

- interactive resources & games
- orchestra seating charts
- lesson plans & activities
- simple composer bios
- instrument samples

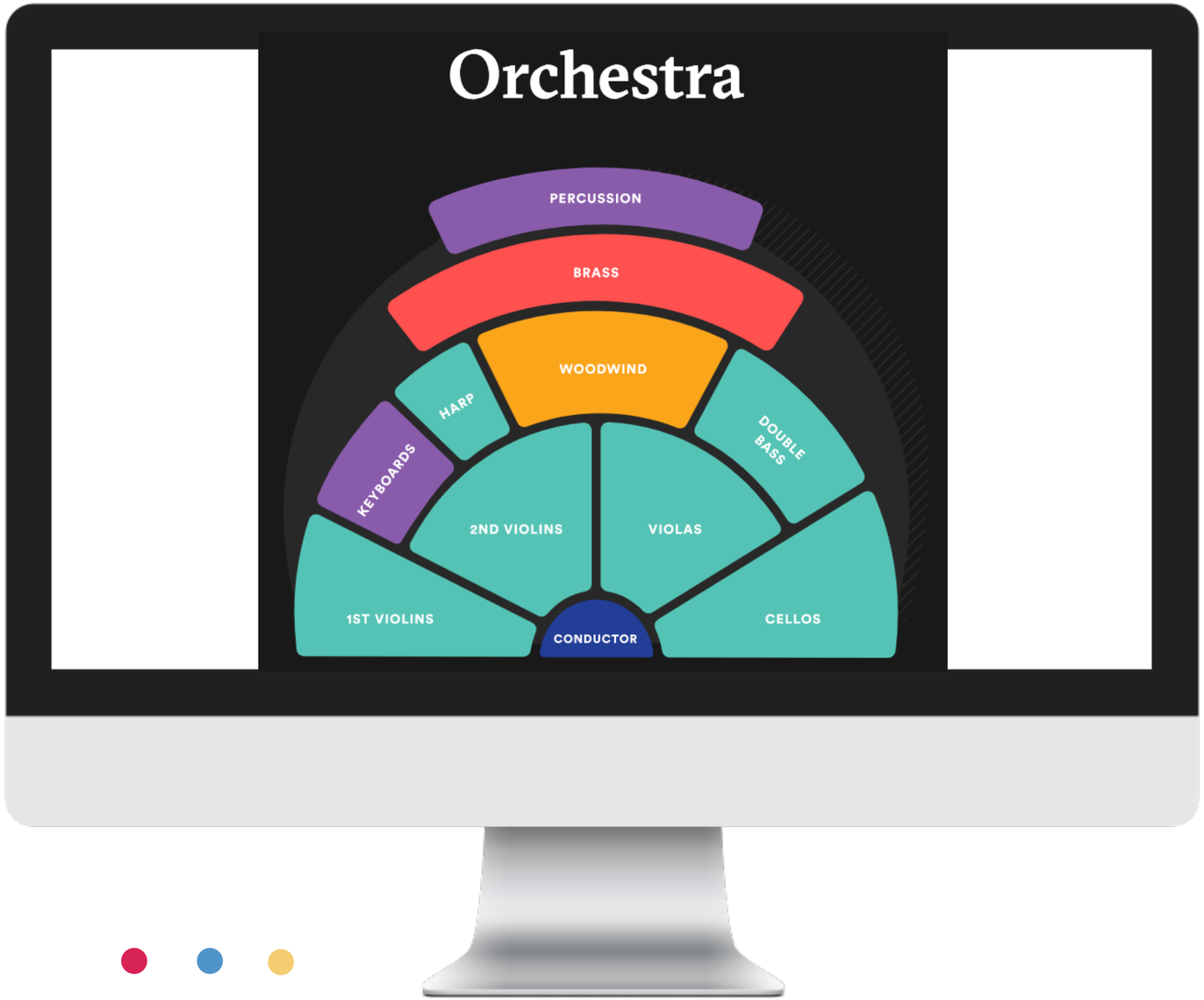
# Inside The Orchestra




- online music games: musical memory, bing, compose a rhythm, compose a song, listening
- at-home music activities
- full activity guides on a variety of themes & subjects
- educational videos

# MSO Learn

- interactive orchestra seating chart
- explore instruments & families
- includes written information, plus listening examples



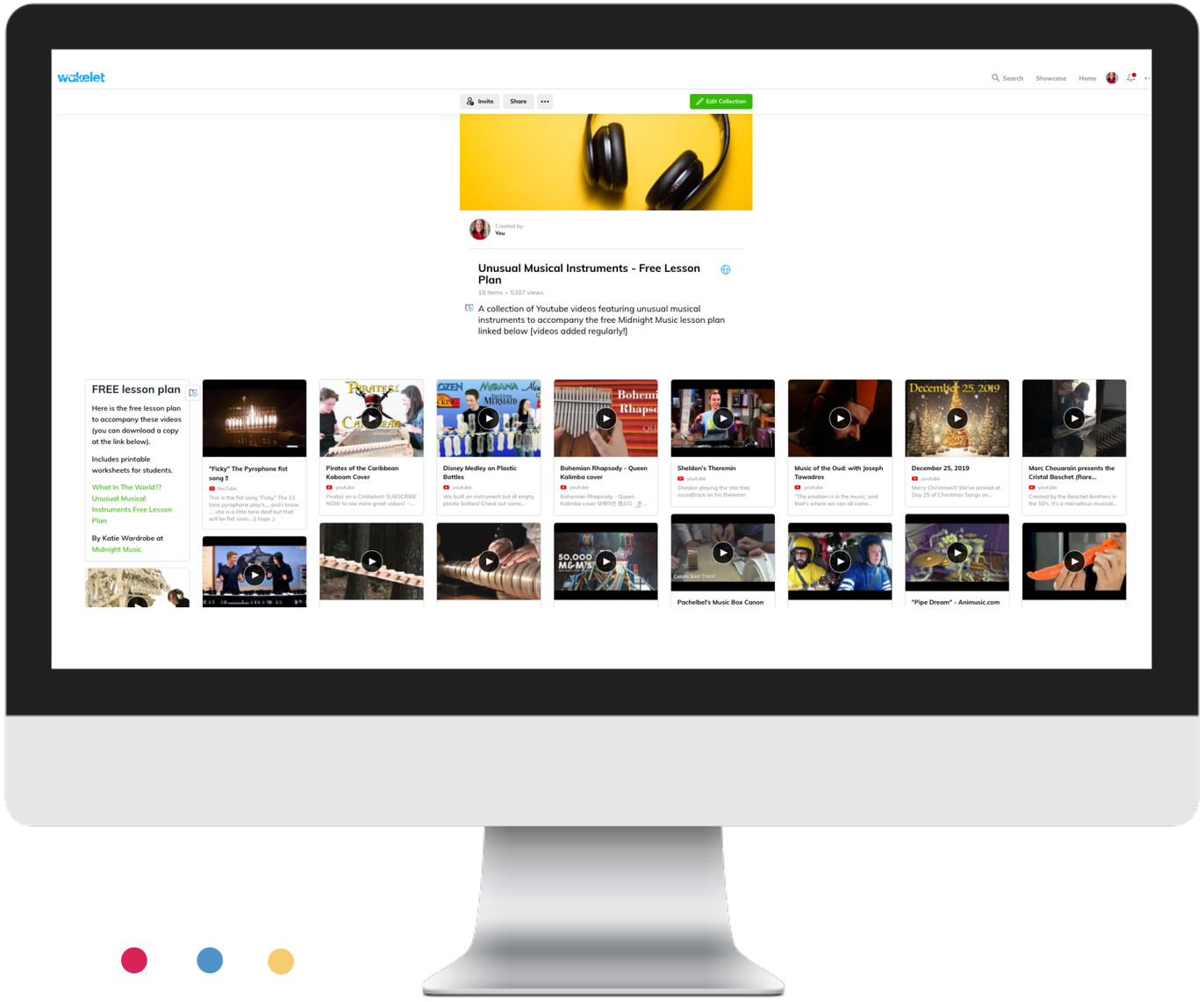
# miscellaneous

# miscellaneous

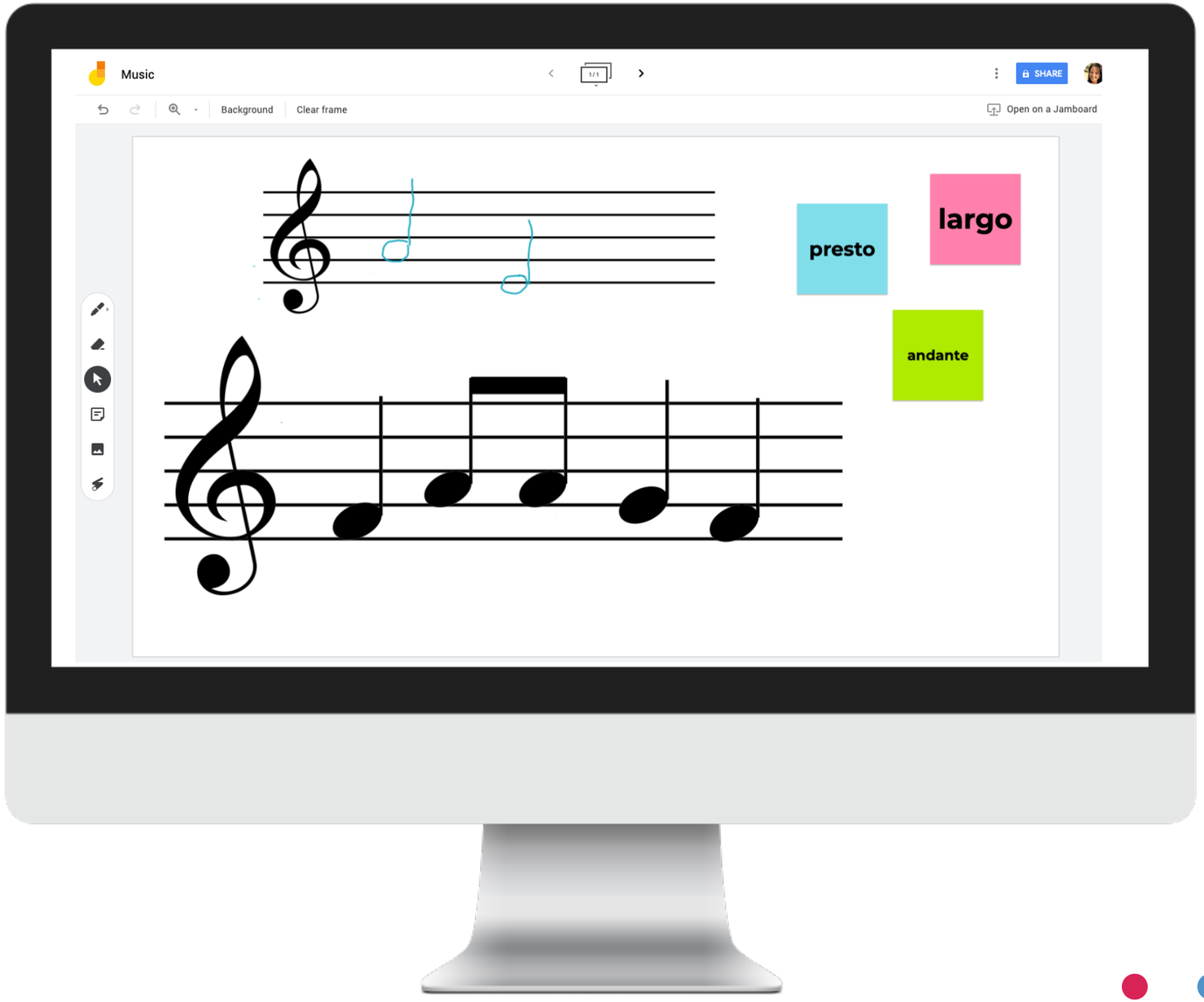
- Wakelet
- Jamboard
- Transpose Chrome extension

# Wakelet

- collect, share & curate multimedia
- save links, videos, documents, text
- use for assignments
- great for digital portfolios



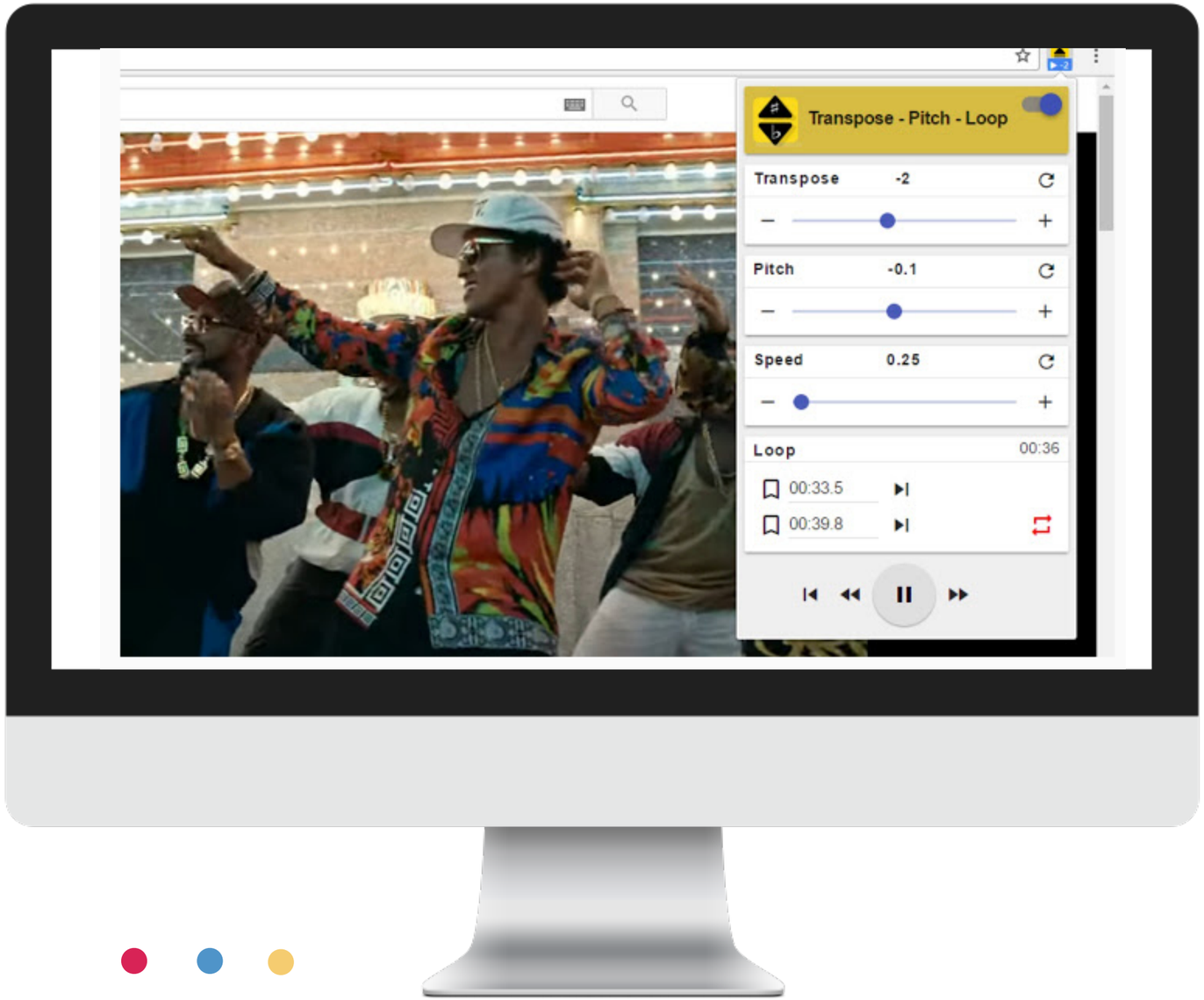
# Jamboard (Google)



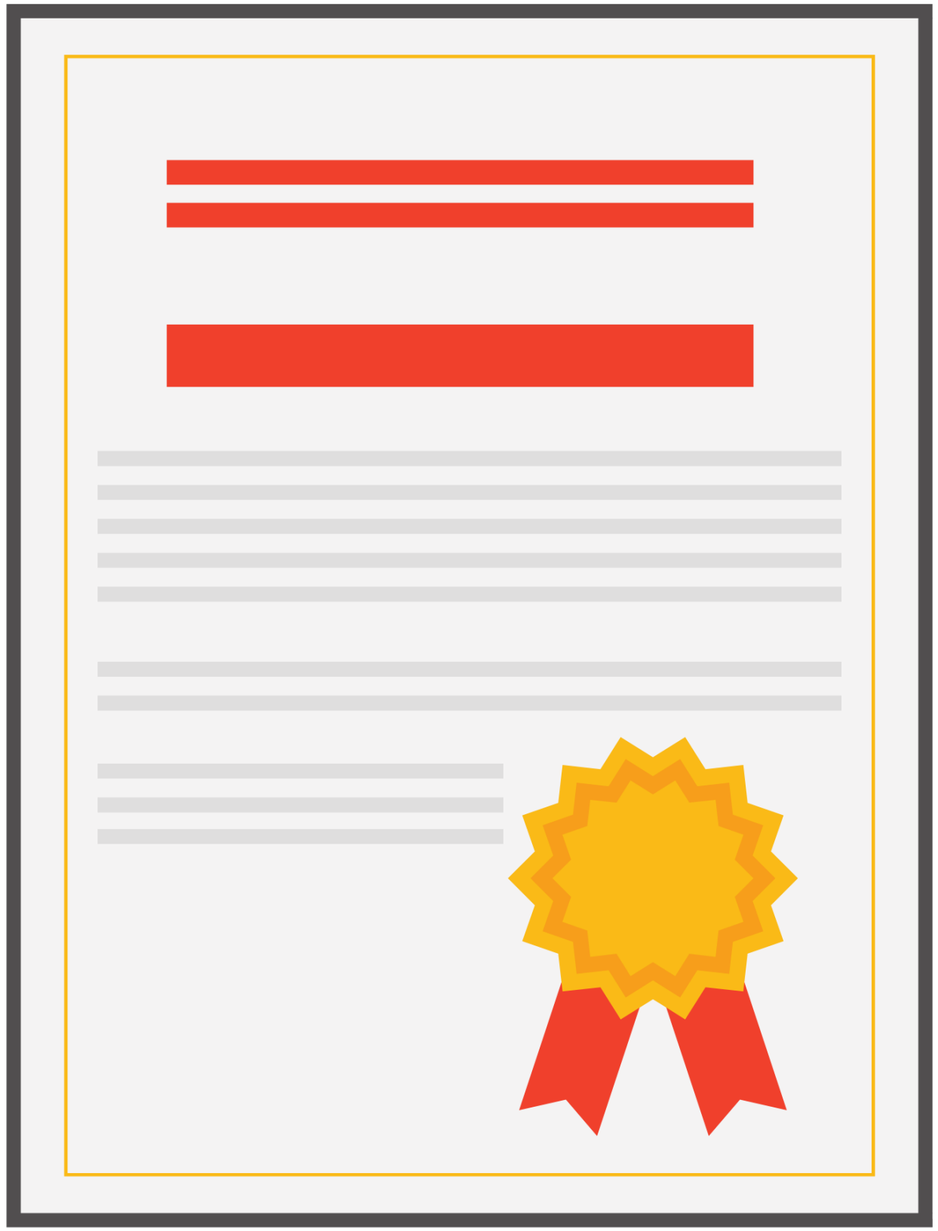

- online whiteboard
- can collaborate
- draw with pen, type text, add sticky notes
- upload images

# Transpose

- Chrome extension
- control panel for online videos and Spotify
- transpose, change pitch, set up practice loop



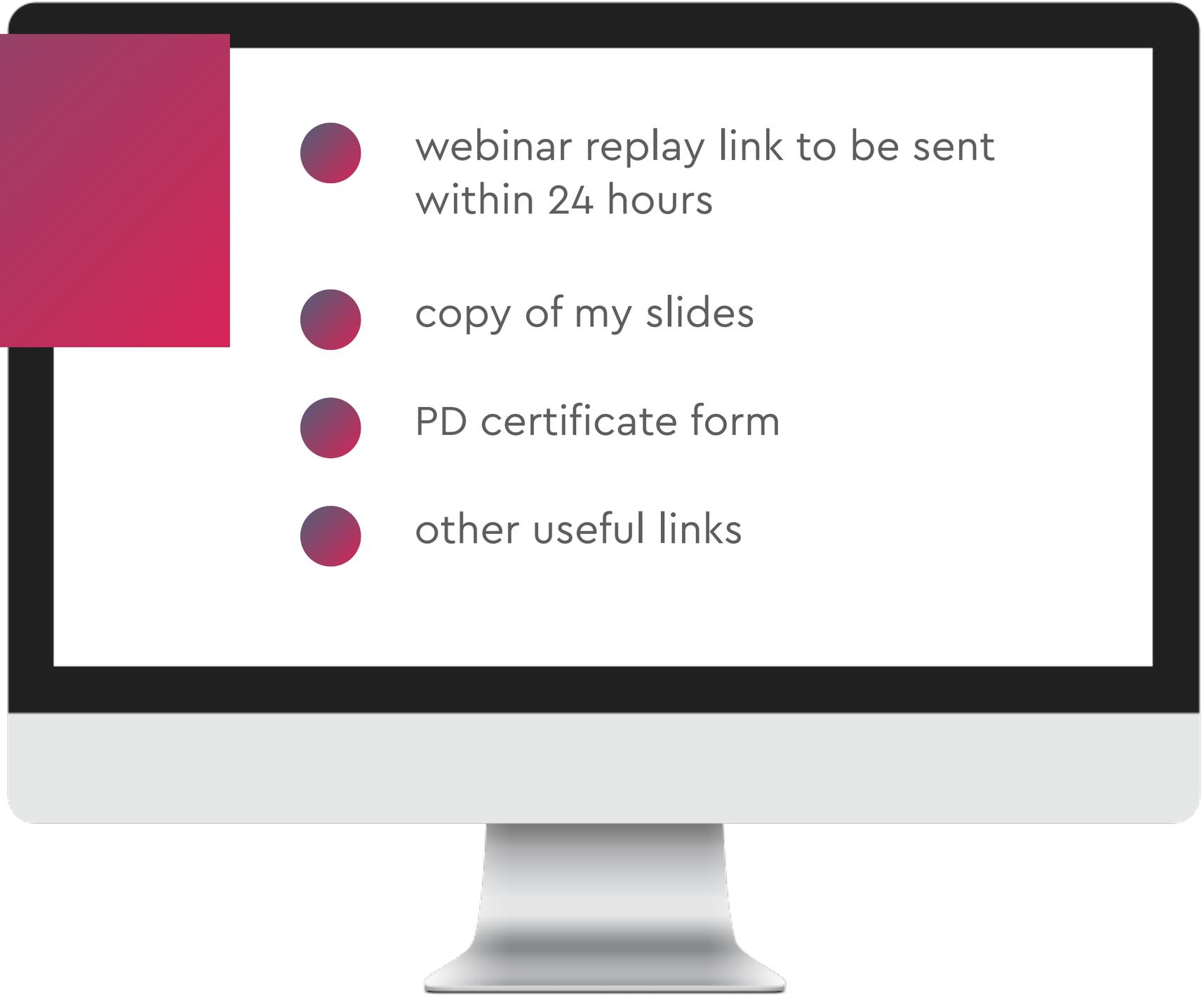
# what's next?



# pd certificate

- midnightmusic.com.au/pdfreetech

# thank you!



- webinar replay link to be sent within 24 hours
- copy of my slides
- PD certificate form
- other useful links

midnightmusic.com.au/freeguide2020

# question & answer time

what would you like to know?

midnight music