Welcome to Hidden Sparks Without Walls. We will be starting at 8:30pm.

To alleviate background noise and ensure a quiet session, your audio connection has been muted.

**Chat: Asking Questions & Sharing Thoughts**
You are encouraged to ask questions and share your thoughts on the chat. Please activate the chat feature on the bottom of the screen. You may chose to chat to panelists and all attendees or just panelists.

**Audio:**
If you would like to call in via phone for audio, please look up the call in number, webinar id, and passcode information on your webinar invite.
ABOUT HIDDEN SPARKS

Hidden Sparks is a non-profit that helps educators and schools nurture the Hidden Spark within each student. We do this by developing and facilitating professional development programs for Jewish day schools to help increase understanding and support for diverse learners.

Hidden Sparks provides an award winning professional development program in understanding learning and behavior, conducting classroom observations, coaching teachers and developing peer coaches. By helping teachers meet the needs of struggling students, ultimately all students benefit.

• 110 Jewish day schools across the country with hundreds of teachers participate in PD programs annually.
• Impacting over 7,000 students every year.
• Over 350 school peer coaches have received training and mentoring.
• Hidden Sparks Without Walls international webinar program has reached thousands of teachers and parents.
• New in 2020! SEL Initiative

Please be in touch to find out how to bring Hidden Sparks programs to your school!
Designing The Space To Cultivate Creative Capacity

Presented by Rabbi Michael Cohen
December 1, 2020
Michael Cohen, The Tech Rabbi, is a designer, educator and creativity instigator. His mission is to help educators around the world reveal their own creative abilities so they can empower students to solve interesting problems and become positive contributors to our global society. He is the author of the book Educated By Design, which outlines his principles for revealing and nurturing our innate creative courage and capacity. He is a national keynote speaker, advisor, and trainer. When he isn’t traveling the world sharing his message, he serves as the director of innovation for Yeshiva University of Los Angeles Boys School (YULA) where he manages and teaches at the Schlesinger STEAM and Entrepreneurship Center. He’s also an Apple Distinguished Educator, Google Certified Trainer, Adobe Certified Trainer, has been ranked as one of today’s top 50 EdTech influencers, and was recognized as Tech & Learning magazine “Most Inspiring in EdTech in 2019.”
Overview of the Session

• Define “creativity” in the classroom and how it can be applied.

• Learn about principles and elements that promote creativity as a problem-solving mechanism.

• Evaluate examples and look at how this applies to your classroom experience.
EDUCATED BY DESIGN

DESIGNING THE SPACE TO EXPERIMENT, EXPLORE, & EXTRACT YOUR CREATIVE POTENTIAL

MICHAEL COHEN, THE TECH RABBI
EDUCATED by DESIGN

1. Creativity is a mindset, not a talent.
2. Failure is a stop on the journey, not a destination.
3. Empathy inspires creativity.
4. Collaboration is a prerequisite for innovation.
5. Ideas should lead to action.
6. Technology is just a tool.
7. Don’t wait for permission.
8. Creativity is a hands-on experience.
9. Put your soul into it.
10. Stay humble.
11. Cultivating creativity toolkit.

by: Michael Cohen
@TheTechRabbi

Experiment, Explore & Extract your creative potential
So I just thought of an idea for an invention that would be absolutely wonderful, but I immediately dismissed the thought because it’s “not possible” and I “won’t be able to do it.”

Then I thought of you and how you don’t dismiss creativity, so I wanted to let you know and see what you think.

Are you in school today?

Thank you for the inspiration,
Good afternoon, Rabbi Cohen. My friend and I would like to meet with you some time over the summer, if you’re available, to discuss the best way to approach putting ideas into action. We don’t know much about startups, entrepreneurship, patents, NDAs, etc and we also wanted to share some ideas with you and get your recommendations. Is this possible?
CREATIVITY IS A MINDSET, NOT A TALENT

Our mission on earth is to recognize the void—inside and outside of us—and fill it.
—The Lubavitcher Rebbe

Once in a while you get shown the light in the strangest of places if you look at it right.
—Grateful Dead
CREATIVITY
is a [MINDSET]
not an [ART SET]

- THE TECH RABBI -
CAREER

WHAT I

LOVE

PASSION

MISSION

WHAT THE

NEEDS

PROFESSION

WHAT I GET FOR

CAUSE

POTENTIAL

The SWEET SPOT

2020 Hidden Sparks
OUR CREATIVITY IS PURGED BY THE FEAR OF BEING JUDGED BY OTHERS
10 skills you need to thrive in the Fourth Industrial Revolution

### in 2020
1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

### in 2015
1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity
10 skills you need to thrive in the Fourth Industrial Revolution

**in 2020**
1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence (New!)
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility (New!)

**in 2015**
1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity
2022 Skills Outlook

Growing
1. Analytical thinking and innovation
2. Active learning and learning strategies
3. Creativity, originality and initiative
4. Technology design and programming
5. Critical thinking and analysis
6. Complex problem-solving
7. Leadership and social influence
8. Emotional intelligence
9. Reasoning, problem-solving and ideation
10. Systems analysis and evaluation

Declining
1. Manual dexterity, endurance and precision
2. Memory, verbal, auditory and spatial abilities
3. Management of financial, material resources
4. Technology installation and maintenance
5. Reading, writing, math and active listening
6. Management of personnel
7. Quality control and safety awareness
8. Coordination and time management
9. Visual, auditory and speech abilities
10. Technology use, monitoring and control
THE PAPERCLIP CHALLENGE

HOW MANY USES DOES A PAPERCLIP HAVE?

“Frog”

“Hook”

“Ring”
FAILURE IS A STOP ON THE JOURNEY, NOT A DESTINATION

“A righteous one falls down seven times and gets up.”
—Proverbs 24:16

“The way to succeed is to double your failure rate.”
—Thomas Watson
Unless Reflection Exists

Failure

First Attempt In Learning.
Nothing

Something
There is Nothing New Under The Sun

-King Solomon
CHAPTER 3

EMPATHY INSPIRES CREATIVITY

Unless two people are on the “same wavelength,” the empathy which one shows to the other does not really leave sufficient encouragement to be a healing influence.
—Or HaChaim

When you show deep empathy toward others, their defensive energy goes down, and positive energy replaces it. That’s when you can get more creative in solving problems.
—Stephen Covey
the DESIGN THINKING process

SHIP IT!

EMPATHIZE DEFINE IDEATE PROTOTYPE TEST
KINDNESS BY THE DOZEN

This week I was:

kind by: ______________________________
caring by: ______________________________
helpful by: ______________________________
selfless by: ______________________________
patient by: ______________________________
thoughtful by: ______________________________
respectful by: ______________________________

This week someone was:

kind by: ______________________________
caring by: ______________________________
helpful by: ______________________________
selfless by: ______________________________
patient by: ______________________________
thoughtful by: ______________________________
respectful by: ______________________________

Name: ______________________________

Complete the sentences below by sharing how you and/or someone else successfully engaged in empathetic type behavior. If you have questions about one of the sentences please ask a classmate or teacher.
INSTRUCTIONS:

1. CUT SQUARES AND DISTRIBUTE EVENLY INTO 2 CONTAINERS.
2. STUDENTS SHOULD FORM GROUPS OF 3-4 BASED ON CLASS SIZE.
3. HAVE A STUDENT CHOOSE 1 CARD OUT OF EACH BOX.
4. STUDENTS HAVE 2 DAYS TO DEVELOP A PROTOTYPE FROM THE MOST INNOVATIVE COMBINATION OF THE TWO CHOSEN OBJECTS.
5. STUDENTS MAY USE OTHER MATERIALS WITHIN REASON TO ATTACH, CONNECT, OR UNIFY THE TWO OBJECTS.
6. STUDENTS WILL PRESENT THEIR PROTOTYPE AND GIVE A ___ MINUTE PRESENTATION OF BOTH THEIR PROCESS AND PRODUCT.

COMBINE + INNOVATE: A DESIGN CHALLENGE

DESIGNED BY: @THETECHRAABBI
Etai Tuveman
Ney Akben

Functions:
Lamp
- Lights up room
- Becomes your house
- Hang stuff on it
- Protection from cold, sun, dirt, etc.

Shirt
- Covers your body
- Depending on shirt, can make one more attractive

Limit:
- Lamp
  - Usually not portable
  - Usual only light up average size
  - Cannot be too expensive

Shirt
- Covers only upper body
- Usually can only light up average size
- Usually a thin covering

Ideas:
- Lamp converted as a shirt
- Light up shirt for joggers and bikers
- Shirt gives that lights up the room when you perform the right moves
- Flashlight shirt for construction worker and miners at night
- Nature tag for light up different colors for different parts
Market Validation
- 500+ surveyed
- 350+ committed beta testers

Interest in a Centralized Calendar

Reddit

"I'm a parent, but my high schooler always has the best of intentions with paper planners... and they get lost, ruined, left in one place or the other... a phone planner app is a brilliant idea, especially with the syncing capabilities!"

Difficulty managing deadlines and assignments

- Low
  - Yes: 47 (13.3%)
  - No: 86 (25.2%)
  - Maybe: 83 (24.1%)
  - High: 111 (32.4%)

- High
  - Yes: 71 (20.1%)
  - No: 116 (32.4%)
  - Maybe: 114 (32.4%)
CHAPTER 4

COLLABORATION IS A PREREQUISITE FOR INNOVATION

It’s the small acts that you do on a daily basis that turn two people from a “you and I” into an “us.”
—The Lubavitcher Rebbe

Great things in business are never done by one person; they’re done by a team of people.
—Steve Jobs
Collaborate With Experts
Collaborate With Experts
David Dorin @daviddorin - 3h
Had another amazing session with @TheTechRabbid yesterday! Talk about #EducatedByDesign! Built a game to help teach my students how to properly engage in constructive conflict, rather than merely arguing with one another the entire time.

Come to the table to try and solve a problem, not win an argument.

Listen to each other; do not assume the other side is wrong.
L’Chadash Innovation Challenge

Judges:

Mandela Schumacher-Hodge Dixon
CEO, Founder Gym
Partner of the Year, Google Startups

Joe Teplow
Founder at Rebel (Acquired by Salesforce)
Forbes 30 Under 30

Charlie Miller
Founder, Flipgrid
Partner GM at Microsoft
CHAPTER 5

IDEAS SHOULD LEAD TO ACTION

Chanoch l’naar al pi darko.
Teach the youth according to their way.
—(Mishlei 22:6)

Every child is an artist.
The problem is how to remain an artist once he grows up.
—Pablo Picasso
What do you wish you could do everyday and get paid for?

<table>
<thead>
<tr>
<th>Benny</th>
<th>Natanel</th>
<th>Omrie</th>
<th>Nussen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawing or</td>
<td>Play soccer</td>
<td>Play basketball</td>
<td>Video Games</td>
</tr>
<tr>
<td>Art related</td>
<td>Listen to music</td>
<td>Travel the world</td>
<td>Reselling</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>Architecture</td>
<td>Video games</td>
<td>Collecting</td>
</tr>
<tr>
<td>Listen to music</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Playing Soccer
- If you can’t go pro and play soccer what can you do?
  - Youtube Channel focusing on soccer
    - Soccer skills and tutorials
  - Live Show (Twitch, Youtube Live)

What do you wish you could do everyday and get paid for?

<table>
<thead>
<tr>
<th>Eli</th>
<th>Menashe</th>
<th>Yaakov</th>
<th>Simcha</th>
<th>Noy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eating</td>
<td>Watching Netflix</td>
<td>Running</td>
<td>Eating</td>
<td>Torah learning</td>
</tr>
<tr>
<td>Watching Youtube and</td>
<td>Play Video Games</td>
<td>Playing Video Games</td>
<td>Give Shiurim</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Write</td>
<td></td>
<td>Games</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Watching</td>
<td></td>
</tr>
</tbody>
</table>
Screen 0

Screen 9

Day 1
Lunch
Dinner

Day 2

Day 4

Screen 10

Chicken
Day 1
Lunch Dinner

List
Must scan all recipes and provide a complete list of all ingredients for the ten of the meal plan

eggs (?)
lettuce
tomatoes
tahapia
rice

Shopping List
Recipe Dir.
Edit Plan

Can edit list item amount based on what user has

Screen 8

August 15 Meal Plan

Shopping List
Recipe Dir.
Edit Plan

Duplicates

Kale
Egg BD

Screen 7

New slide
In the 600th year of the sixth millennium, the gates of sublime wisdom will open and the wellsprings of lower wisdom will burst forth.
—The Zohar

People sometimes think technology just automatically gets better every year, but it actually doesn’t. It only gets better if smart people work like crazy to make it better. That’s how any technology actually gets better.
—Elon Musk
20th Century Tendencies with 21st Century Tools
How to find a problem worth solving

15 responses • 206 views • 0 comments • 4.8 hours of engagement

What this video of Adam Neumann being interviewed by Inc.com. Respond via video to the following questions:

What was the most memorable thing that Adam said?
What does Adam say about the success rate of businesses?
What are the most important things that Adam shares about solving a problem with a business?

Join Code: 7Ba4ed0
Understanding Phase Brainstorm

Names: Genie, Teng, and Johnelle
Top 3 Challenges/Opportunities
- Challenge 1: Keeping students engaged
- Challenge 2: Determine the best way to communicate the information to each student based on his/her individual learning style?
- Challenge 3: Assess progress effectively

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person? See above.
- What are the challenges that exist in other classes that impact our own? Anxiety level.
- Demoralization with previous class.
- What are obstacles that prevent students from being fully engaged? Fear, new situation that is

Names: Christine, Oliu, Mel, & Jessa
Top 3 Challenges/Opportunities
- Challenge 1: Lack of tactile learning
- Challenge 2: Motivation to use the new tools we’re prevailed, cheering them on, while also trying to stay encouraged ourselves
- Challenge 3: Communicating difficulties and challenges effectively

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Aaron, Ros, Charlene Olson, Madelyn Partee, & Rossy
Top 3 Challenges/Opportunities
- Challenge 1: Keeping the students engaged
- Challenge 2: Finding the right tools and resources to help elevate our subjects and material.
- Challenge 3: Other teacher to respect the schedule of the other teachers.

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Denny, Nick, Austin, & Jennifer
Top 3 Challenges/Opportunities
- Challenge 1: How diverse population of students with learning differences. Key to their success as students is the one on one individualized support they provide face to face. A hybrid or online model makes it very difficult.
- Challenge 2: Another problem of our environment is socialization of our students. Very difficult to do that when students are isolated.
- Challenge 3: How art is an important part of their milestone at this school. Is it just art, digital media, or music? How do you teach a student to play an instrument, for example?

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Valerie, Siryl, Rebecca, & Jessica
Top 3 Challenges/Opportunities
- Challenge 2: Student engagement and connectivity in the classroom (Distractions)
- Challenge 2: Encouraging students and effective communication
- Challenge 3: Student assessment/continuing assessment throughout the year

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Jessica, Gestense, Lane
Top 3 Challenges/Opportunities
- Challenge 1: How do we hold the attention of our students, espec. our youngest learners?
- Challenge 2: How do we create digital tools/resources that are directly connected to content and instruction?
- Challenge 3: How do we support students who learn in their virtual/hybrid school day look like? How can we ensure student independence during the learning process?

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Kendra Mckinnon, Chelsea Adams, Branden Hooney, Will Jennings
Top 3 Challenges/Opportunities
- Challenge 1: Making sure lessons are multisensory (Virtual and in person)
- Challenge 2: Time Management. Students working at different paces (Virtual and in person)
- Challenge 3: Finding ways to create extrinsic motivation for students
- Challenge 4: Implementing a safe environment and providing feedback that they can still learn in such a complex situation. (Pandemic)

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?

Names: Group 9: AL, Mary, Philip
Top 3 Challenges/Opportunities
- Challenge 2: Keeping learning novel and fun
- Challenge 2: Keeping energy positive, environment, and learning engaging and interactive
- Challenge 3: Organization of all the different digital platforms and not feeling overwhelmed

Guiding Questions:
- What challenges are we facing in our classrooms both virtual and in person?
- What are the challenges that exist in other classes that impact our own?
- What are obstacles that prevent students from being fully engaged?
- What are the interests of students? What are students curious about?
2020 Hidden Sparks
CHAPTER 7

DON’T WAIT FOR PERMISSION

The world says that if you cannot crawl under an obstacle, try to leap over it. However, I say, leap over it in the first place! *l’chatchila ariber!*”
—Rabbi Shmuel of Lubavitch

*Le mieux est l’ennemi du bien.*
(The perfect is the enemy of the good.)
—Voltaire
PERFECTION IS THE ENEMY OF DONE

- Voltaire
7. DON'T WAIT FOR PERMISSION
CHAPTER 8

CREATIVITY IS A HANDS-ON EXPERIENCE

Creativity without failure is like being lifted to the top of a mountain without the climb. It may be fun, but it is not an achievement.
—Rabbi Lord Jonathan Sacks

The best way to predict the future is to create it.
—Alan Kay
CHAPTER 9

PUT YOUR SOUL INTO IT

The real success is success of the soul.
—Rabbi Joseph Albo

What is a soul? It’s like electricity—we don’t really know what it is, but it’s a force that can light a room.
—Ray Charles
How do you make your mark and provide value to others?
L'Chadash Challenge 2020
OUR COMPETITIVE ADVANTAGE

- Filter through doctors
- Chatroom
- Convenience
- Cheaper rates
- No insurance needed
Our Solution

Create a social media platform centered around politics that allows students to develop their own ideas in an approachable and friendly way.

Integrate political activists, influencers, and government officials to interact with students and reestablish the principle of “For the people by the people.”

Yap Politics Social Media
Aimed at politically active students

“YAP Rooms”
Where students will interact with political activists

Connect
Explore a whole new world of politically active teenagers
CHAPTER 10

STAY HUMBLE

“We do not see things as they are. We see things as we are.”
—Talmud Brachot 55b

“When we strive to become better than we are, everything around us becomes better too.”
—Paul Coelho
Humility & Gratitude Create Legacy
A classroom is found everywhere if you look at it right.
100\% time
# Upcoming Hidden Sparks Without Walls Sessions

| For Parents: Tuesday, January 12, 2021 | Collaborative Problem Solving: An Introduction for Parents  
Presented by Tamar Shames |
|--------------------------------------|---------------------------------------------------------------|
| For Teachers: Tuesday, February 2, 2021 | Millim, Millim: Supporting students as they acquire and strengthen their Hebrew Vocabulary Skills.  
Presented by Meirav Kravetz |

If you are interested in bringing Hidden Sparks to your school or city, please contact us:  
212-767-7707 or sara@hiddensparks.org
Contacting Hidden Sparks

Contact Presenter:
Rabbi Michael Cohen
thetechrabbi@gmail.com

Contact Hidden Sparks:
www.hiddensparks.org
news@hiddensparks.org (212) 767-7707
www.facebook.com/HiddenSparks

“like” us on Facebook
Hidden Sparks would like to thank our Donors, Supporters and Partners