

# Teachers Training Micro-Learning Innovative Model: Opportunities and Challenges

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Open edX summit

May 2018

# Meet Revital,

- An elementary school teacher
- Lives in a small town in the Galilee
- Married to Rami and mother of three beautiful children aged 4 to 12

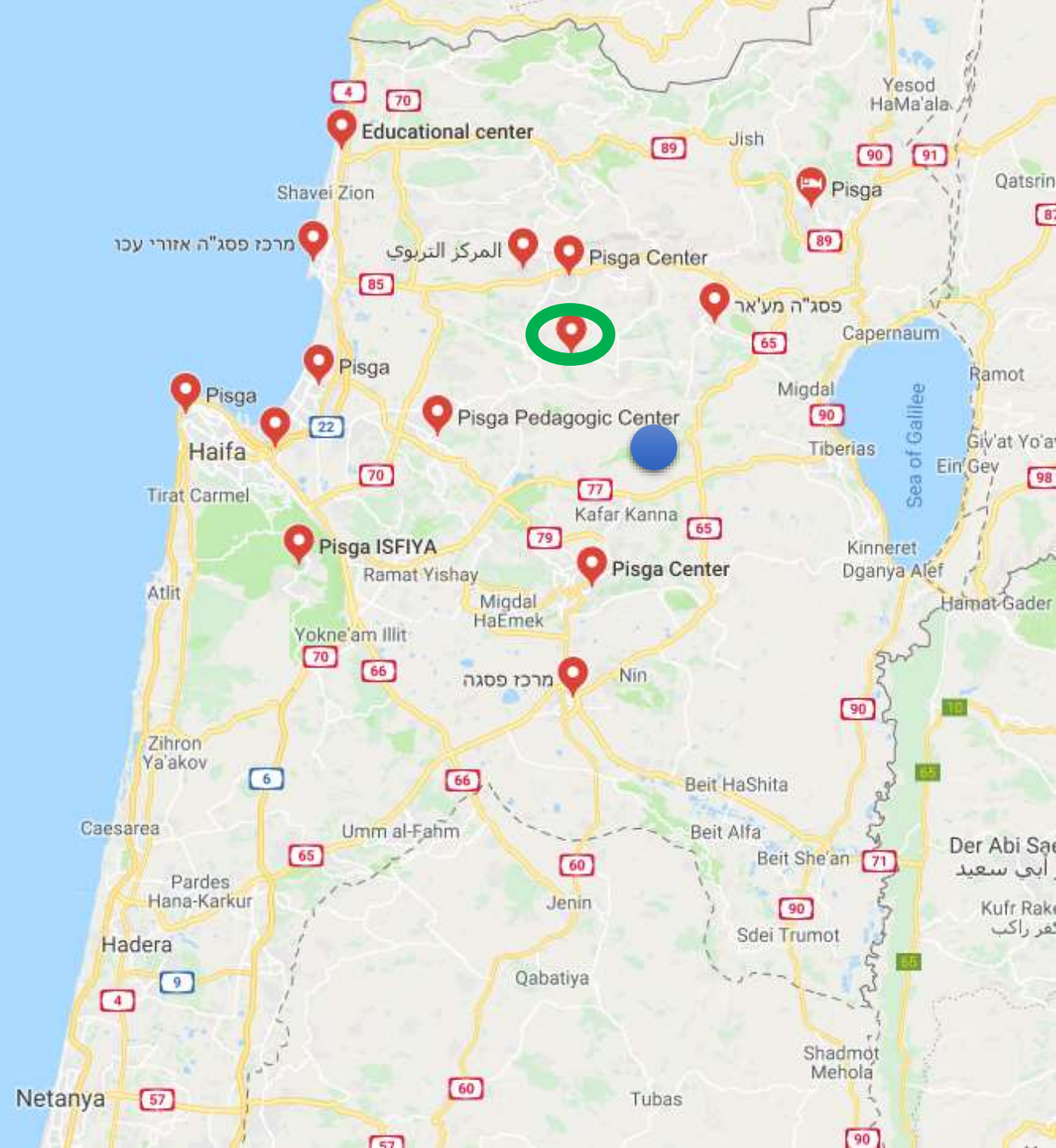


- This is Rami,  
Revital's husband
- A programmer in a  
local high tech  
company
- Rami takes their kids  
from school on  
Tuesdays and Fridays

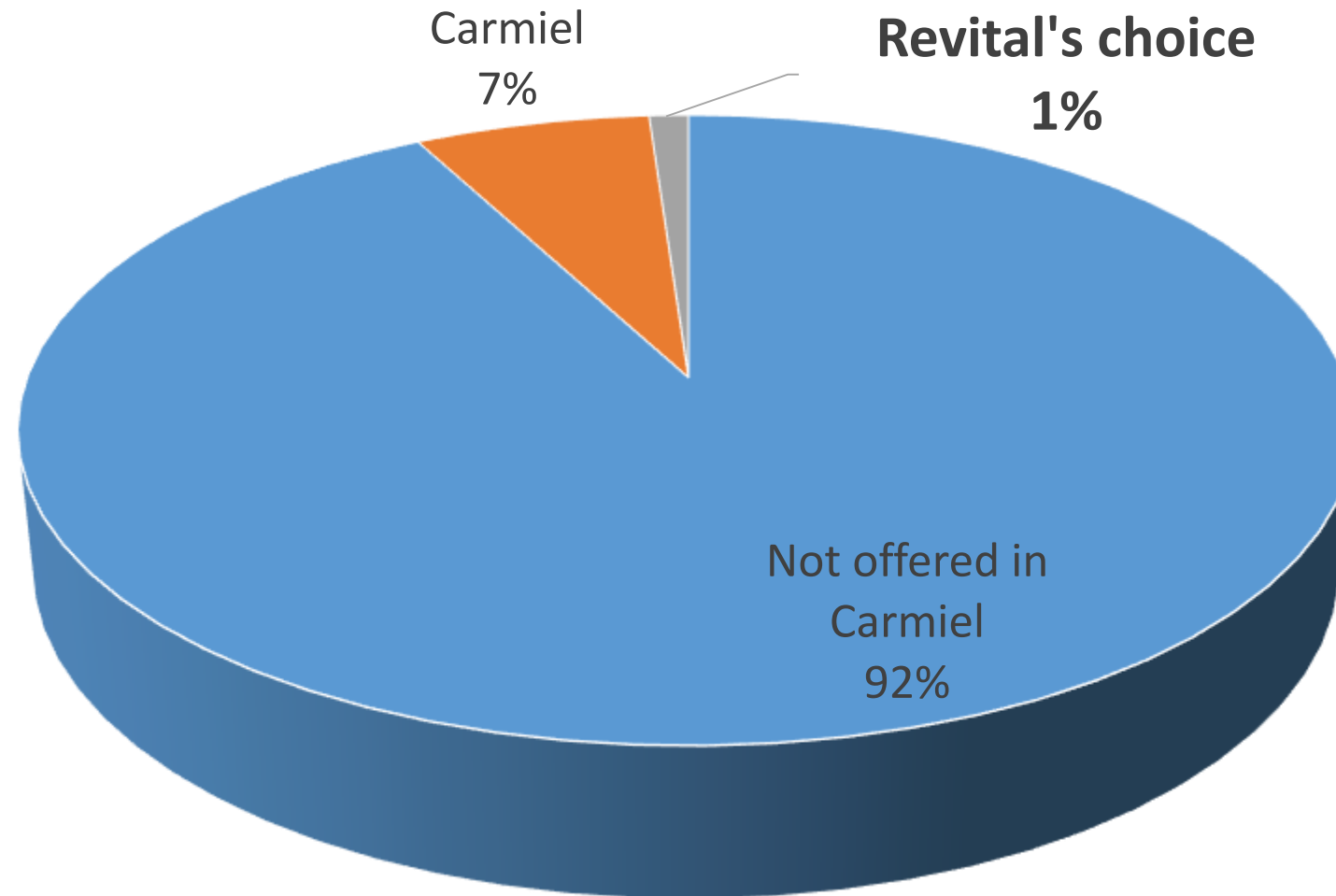




- Revital goes to Pilates twice a week, Monday and Wednesday afternoon
- The nearest Teacher Training Center is 20 km from their home
- The Training Center offers 12 of the nation-wide 180 different professional development courses



# Revital's choice is not that of a bargain...



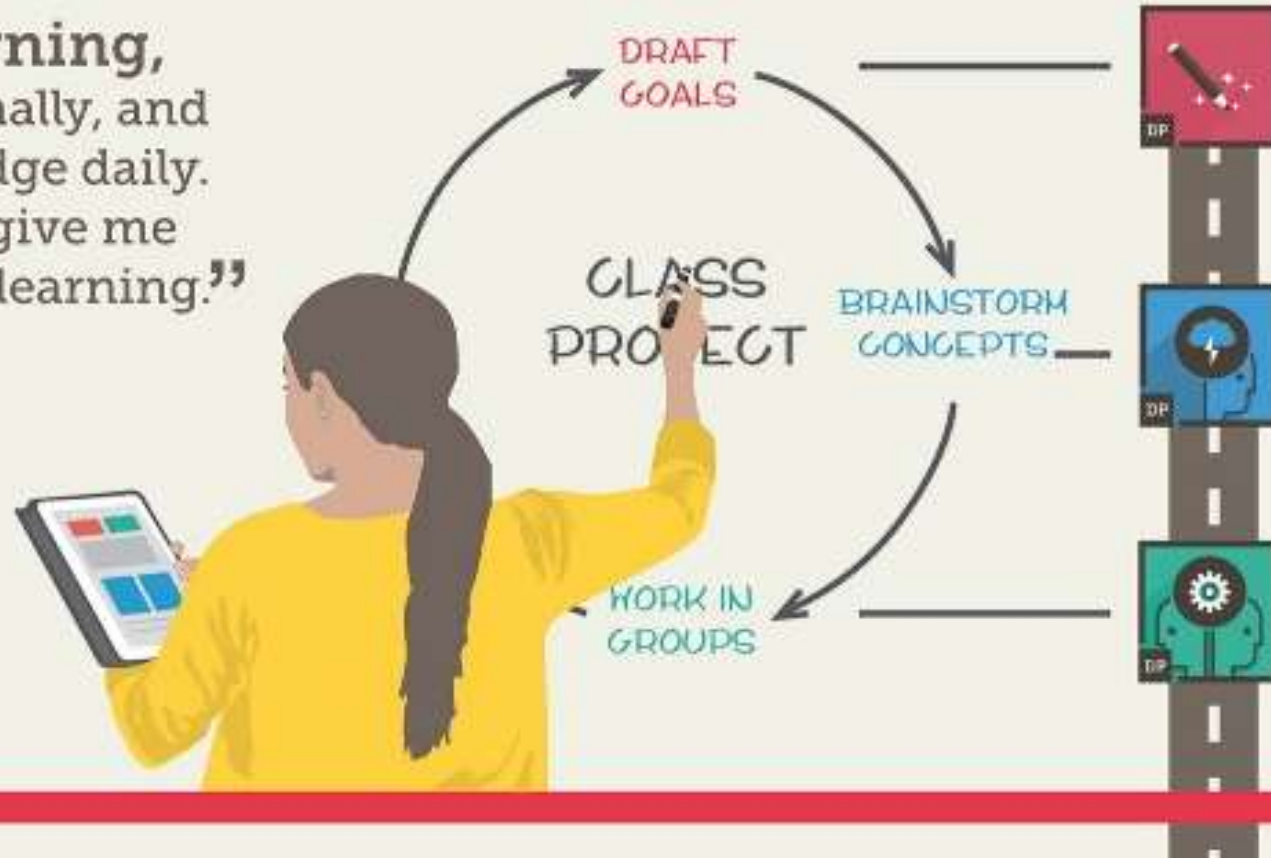
# MICRO-CREDENTIALS

## Competency-Based Recognition for Educators

“I’m always learning, formally and informally, and I apply that knowledge daily. Micro-credentials give me recognition for that learning.”



Digital Promise







Israel's national digital learning initiative



21<sup>st</sup>  
Century  
Skills



Vocational  
Training



Government  
Professional  
Development



High School  
Matriculation Prep



Academic  
Courses



# IsraelX

[Back to schools and partners](#)

Free online courses from IsraelX

**IsraelX** is a national consortium of higher education institutions in Israel, led by the Council for Higher Education and the Ministry for Social Equality. IsraelX is the international arm of [Campus - the Israeli National Project for Digital Learning](#), whose goal is to promote general, academic and professional education in Israel in order to reduce social gaps and accelerate economic growth.

Leading academic institutions such as the [Technion](#), [Tel Aviv University](#), [Ben-Gurion University](#), [Haifa University](#), [Bar-Ilan University](#), the [Holon Institute of Technology](#) and [Shenkar College](#) have joined together for a common vision: to provide excellent academic education to all citizens of the world, promote equal opportunities for students everywhere, and provide an advanced and quality response to the dizzying changes in the global employment market.





VERIFIED ✓

IsraelX  
Environmental Protection  
and Sustainability

Starting Soon  
Starts: October 19, 2017



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IsraelX  
Digital Culture/Clutter: Life  
and Death on the Net

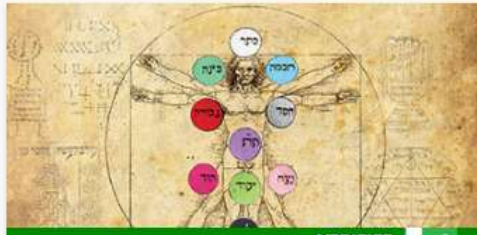
Starting Soon  
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IsraelX  
Sparse Representations in  
Signal and Image Processin...

Starting Soon  
Starts: October 25, 2017



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IsraelX  
Introduction to Kabbalah

Starting Soon  
Starts: November 28, 2017



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IsraelX  
Arab-Islamic History: From  
Tribes to Empires

Upcoming  
Starts: December 19, 2017



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IsraelX  
The Bible in Light of the  
Ancient Near East

Starting Soon  
Starts: October 25, 2017



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Viruses & How to Beat  
Them: Cells, Immunity,...

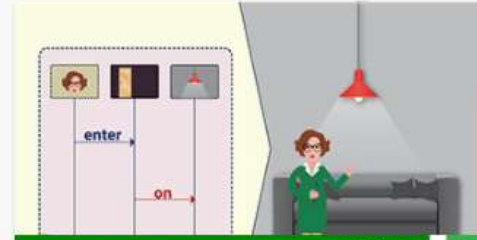
Starting Soon  
Starts: November 28, 2017



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IsraelX  
Design Theory

Starting Soon  
Starts: November 28, 2017



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IsraelX  
Liberating Programming:  
System Development for...

Upcoming  
Starts: December 20, 2017

[www.tinyurl.com/IsraelX](http://www.tinyurl.com/IsraelX)

ללמוד בכל מקום  
בכל זמן  
בקצב שלך

Israeli open edX - [www.campus.gov.il](http://www.campus.gov.il)

קמפוס - המיזם הלאומי ללמידה דיגיטלית, מבית המשרד לשוויון חברתי



משרד החינוך  
להיות שגריר (קורס משלחות)



בסמך  
מבוא לתכנות בשפת ++C



עמותת והדרת  
דרוש ניסיון: הכנה לשוק העבודה לבני  
+60



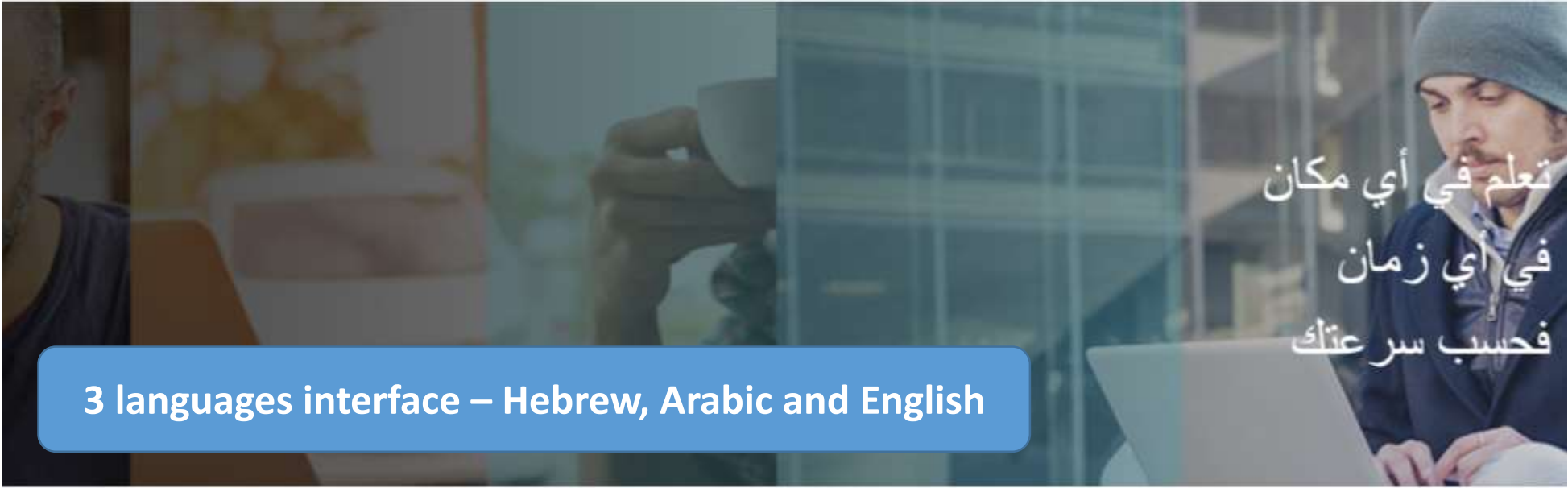
إنشاء حساب

تسجيل الدخول

العربية

المساقات

نبذة عنا



تعلم في أي مكان  
في أي زمان  
فحسب سر عتك

3 languages interface – Hebrew, Arabic and English

كامبوس- المشروع الوطني للتعليم الرقمي، من قبل وزارة المساواة الإجتماعية



EDU



Basmach



Vehadarta



# Design Principles for Professional Learning

**High-quality educator preparation and ongoing professional learning opportunities should be:**



Personalized  
and  
self-directed



Focused on the  
needs of educators,  
students, and schools



Competency-  
based



Job-embedded  
and practical



# How does it work?

## 1 Select

Select a skill you have developed or would like to develop.



## 2 Collect

Collect the required evidence demonstrating your competence in that selected area.



## 3 Submit

Upload and submit your collected evidence on [bloomboard.com/digitalpromise](https://bloomboard.com/digitalpromise).



## 4 Share

Share your micro-credential as a digital badge once you have earned it.



# What does the MOOC look like?

The model was localized by **CET** and Israeli MOE



Learn



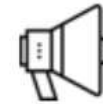
Plan



Do & Document



Reflect & Upload



Peer Review

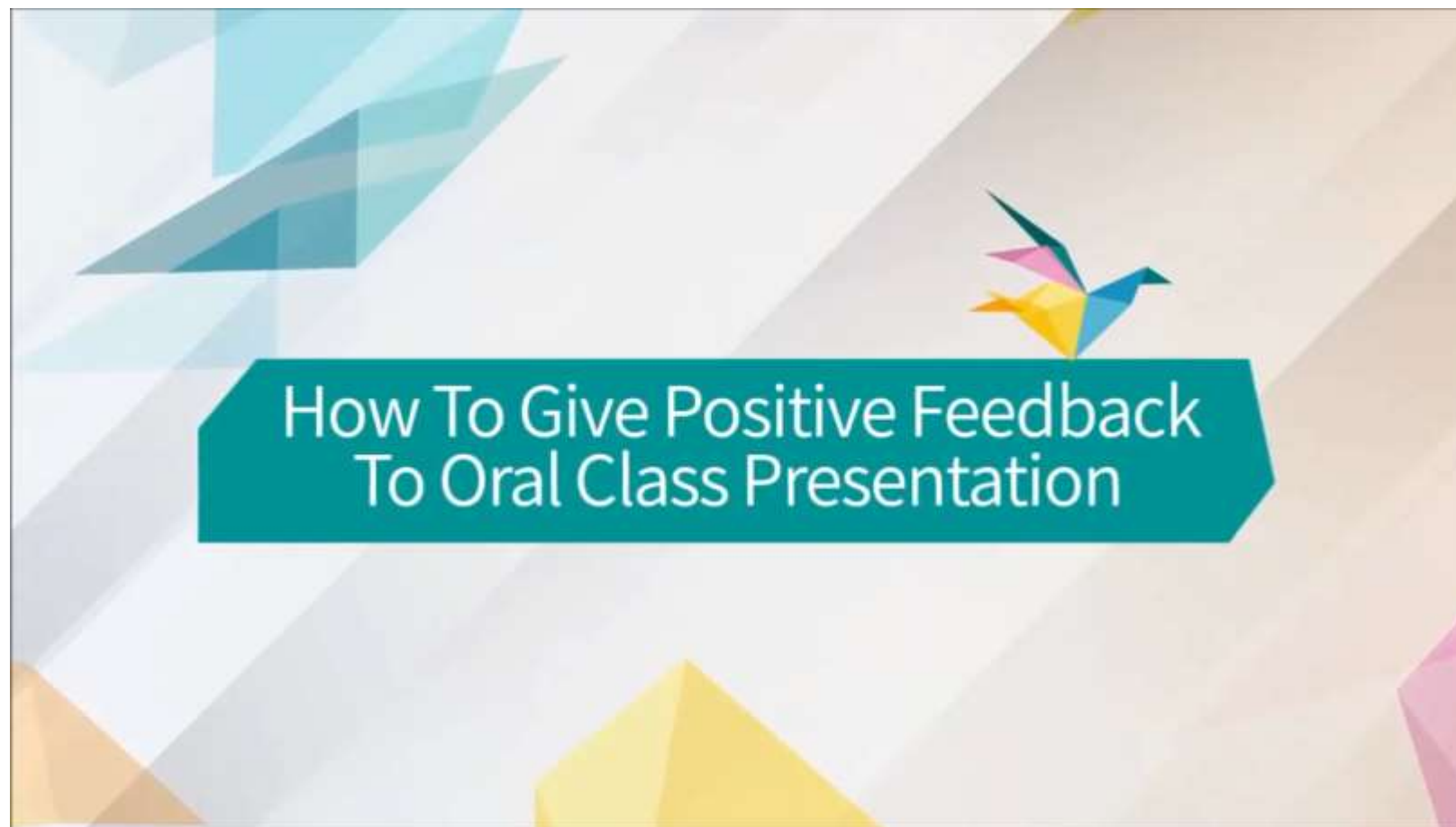


Get Credit





# Example: How To Give Positive Feedback to Oral Presentation



# Example: How To Give Positive Feedback to Oral Presentation



תכנון  
Plan



When writing up the planning stage, we should describe the following:

\* *(The plan should be half a page to a page long, 220 – 440 words. There is no need to give in a lesson plan.)*

- The intended audience: describe the students and/or the class
- The educational challenge we want to solve. Give at least two concrete examples that illustrate the challenge.
- A short description of the planned activity.
- Challenges that may arise during the implementation and possible ways to deal with those challenges.

# Example: How To Give Positive Feedback to Oral Presentation



יישום ותיעוד

Do & Document



**The documentation should:**

- Be authentic - reflecting what happened in a clear and direct way
- Reflect the implementation of the competency as it was learned during the course
- Reflect how the implementation of the competency affected our students



# Example: How To Give Positive Feedback to Oral Presentation



תוצרים ורפלקציה  
Reflect & Upload



**When writing up our reflection, we should describe the following:**

\* (The reflection should be half a page to a page long, 220 – 440 words.)

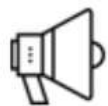
- The effect of the implementation of the competency on our students
- Points of success and ideas for improvement, with concrete examples from our documentation.
- The effect of the learning process on our future educational practice.

AFTER WE FINISHED THE DOCUMENTATION STAGE, PLEASE ANSWER THE FOLLOWING QUESTION:

	1 - Not at all	2	3	4	5	6	7	8	9	10 - Very much
To what degree did the implementation fit what you had planned in the planning stage?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Submit

# Example: How To Give Positive Feedback to Oral Presentation



הערכת עמיתים

Peer Review



We've arrived at the peer review stage!

At this stage we'll review the assignments of three other teachers according to **the criteria**). Concurrently, two other teachers who finished this course will re

The average of the peer reviews constitutes the final mark. If you completed a grade (over 65) in the peer review, you are entitled to a digital credential and credit.



How to use  
electronic  
dictionaries

לפרטים והרשמה



How to understand  
the results of the  
screening test in the  
ABLE kit

לפרטים והרשמה



How to give positive  
feedback to oral  
class presentations

לפרטים והרשמה



How to use Google  
quiz to enhance  
vocabulary teaching  
and learning

לפרטים והרשמה



How to Say What You  
Mean

לפרטים והרשמה



# First run of a pilot (still in process): Numbers



November 2017 – July 2018



1,385 Registrants (784 unique)



31 courses



7 disciplines

# First run of a pilot (still in process): Numbers



67% who signed up have enrolled at least one course



89% who submitted work have passed



Average final grade – 87.7

# Learners Feedback

83%

“Studied the competency the course deals with for the first time”

85%

“The learning aided me with planning class activity”

92%

“Capable of facing the educational challenge the course deals with”

# Key Contributors to Learners Successes



Course's team involvement



Problem based learning



# Conclusions and Recommendations



Creating a clear, descriptive and intriguing "Course page"



Publishing outcome gallery in the marketing website



Setting a minimum number of learners (from 50 to 200)



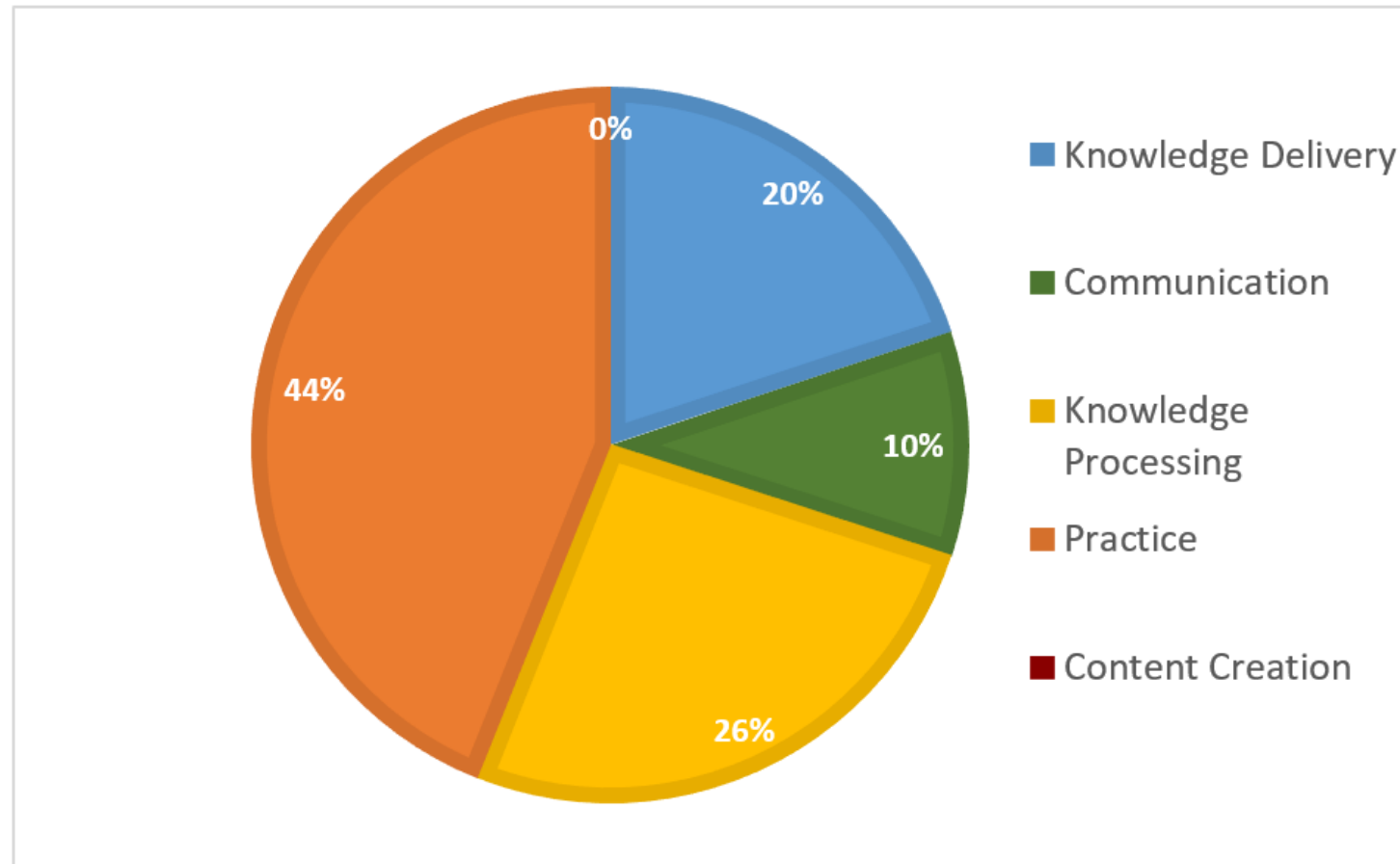
Minimize the use of external learning components

# Course Design rigorous protocol (1)

	C	D	E	F	G	H
1	Section	Sub-Section	Unit	Component	Description	Learner Effort (.min)
2	1	-	Trailer			
3						
4	0	Introduction	Intro	Video	Trailer	0.5
5				Text	Why are you here	1
6				Video	Course Goals	0.5
7				Discussion	Survey	3
8	1	Intro to e-mail	General	Video	Learning outcomes	0.5
9				Slide Show	?Why e-mail	4
10				Text	E-mail providers	1
11				Video	Signing-up to Gmail	1
12				Text	e-mail address structure	2
13				Animation	How does e-mail work	2
14				Knowledge processing	reflection of pros and cons of emails	5
15				Text	communication in the digital era	1
16						

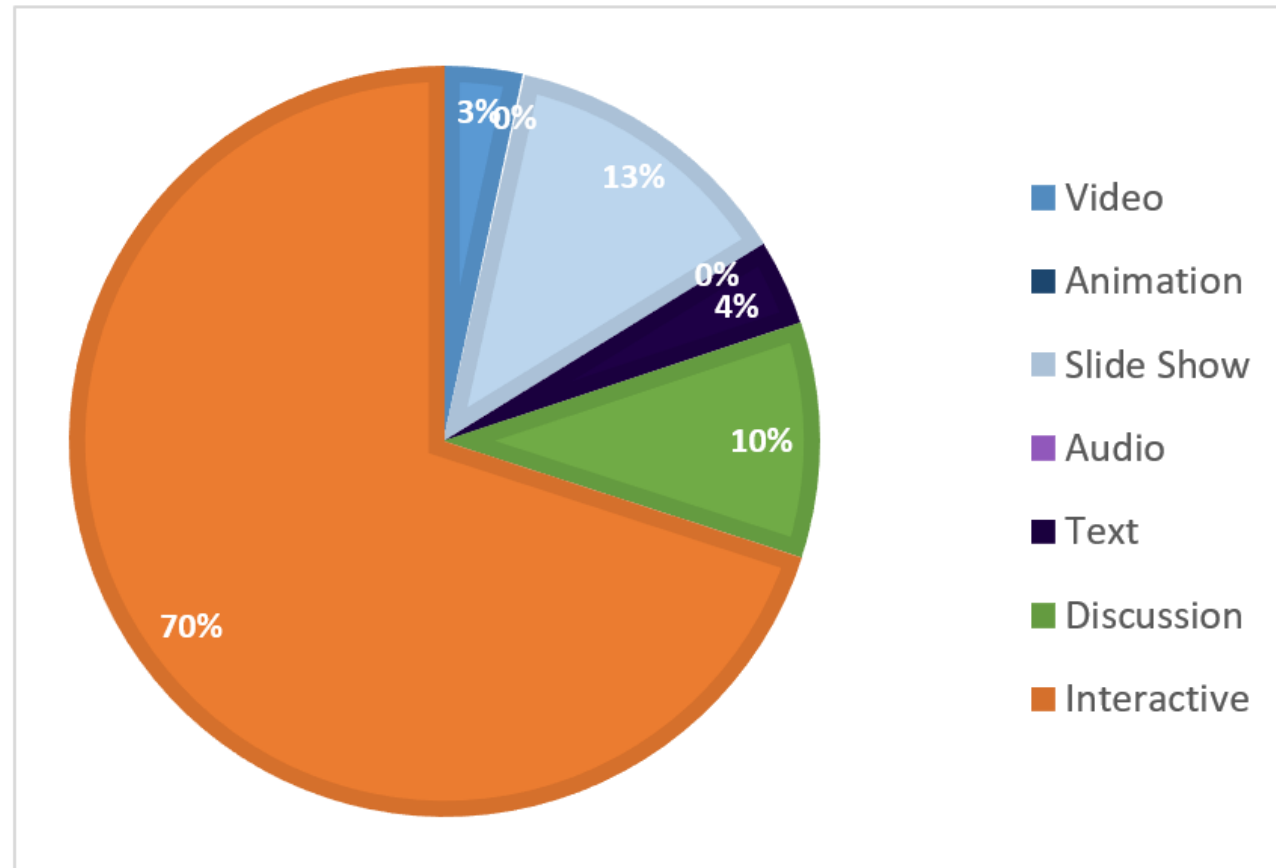
# Course Design rigorous protocol (2)

Pedagogic Analysis (components)



# Course Design rigorous protocol (3)

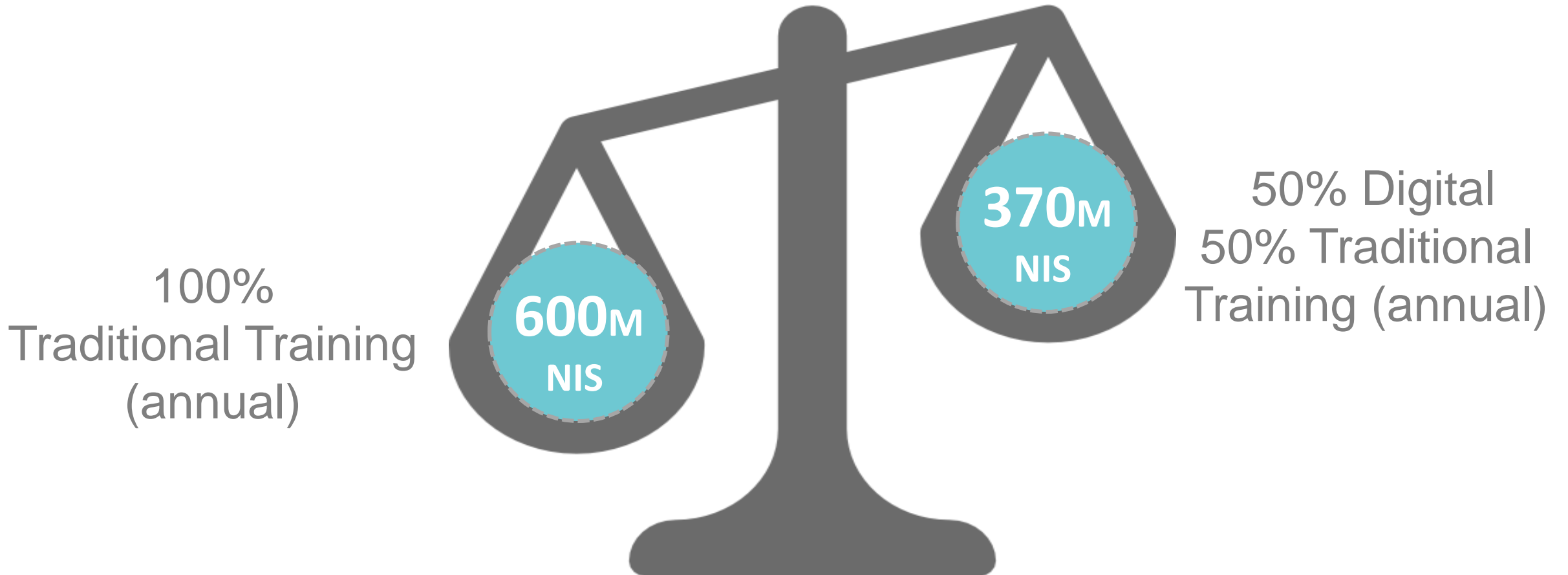
Components Analysis (min.)



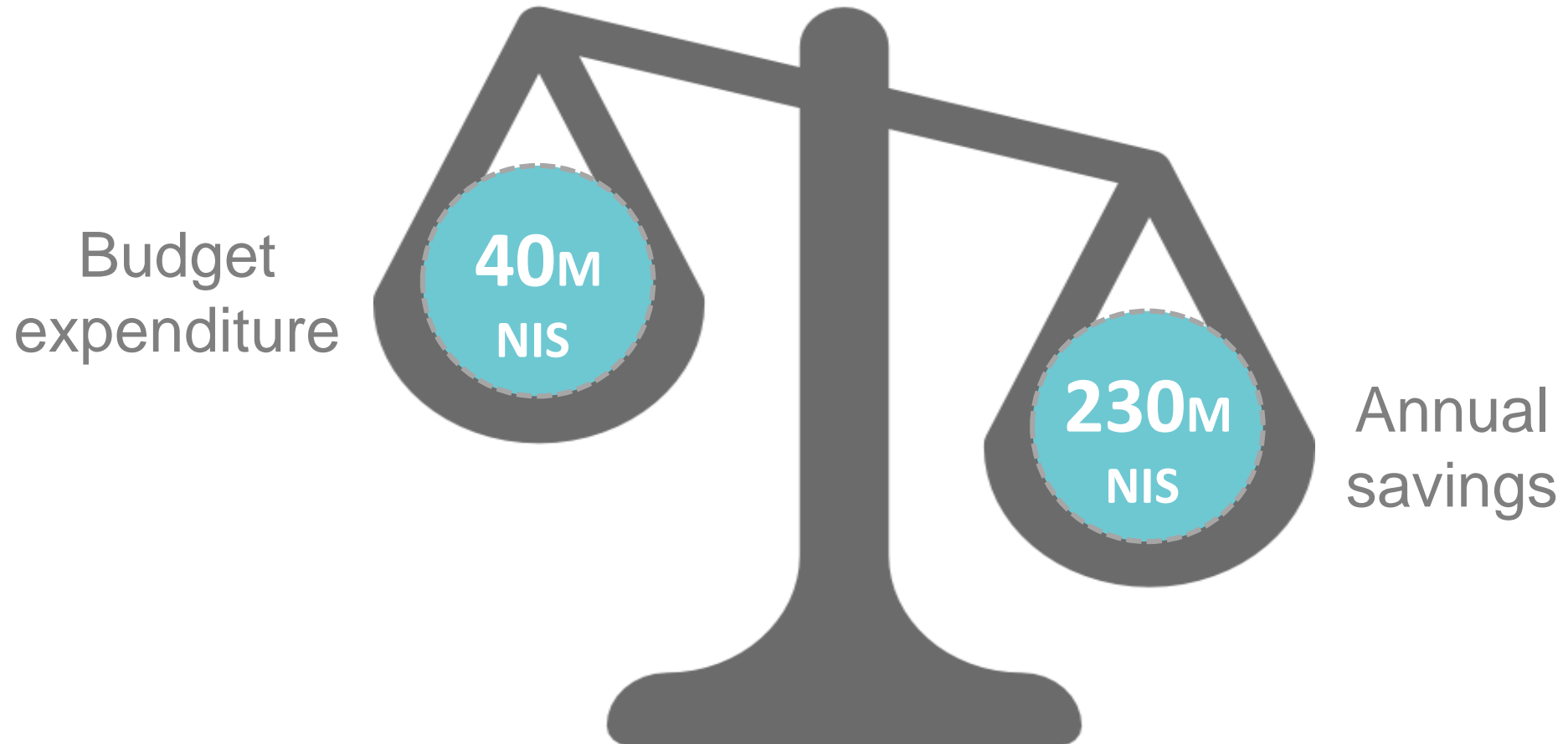




# Savings Projection



# ROI Projections



מדינת ישראל  
משרד החינוך  
STATE OF ISRAEL  
MINISTRY OF EDUCATION







# Thank You!

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[www.campus.gov.il](http://www.campus.gov.il)

Search “IsraelX” in Google