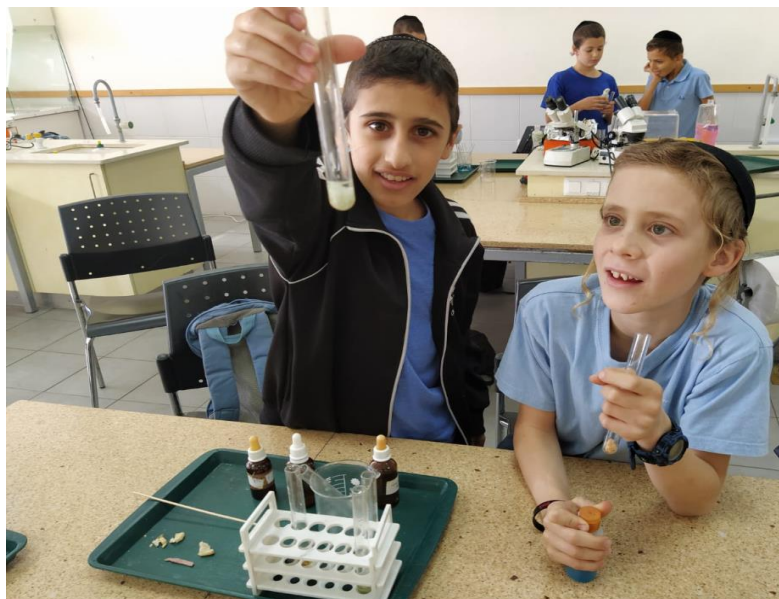


# The "Matanel Foundation" for Haredi Science Center Summary Evaluation Report

**June 2020**



*General:*

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This document presents the findings of an evaluation of a scientific enrichment program supported by the Matanel Foundation. The research findings describe the subjects in which the children took part and the results of feedback from the program participants.

*Details of visitors and activities:*

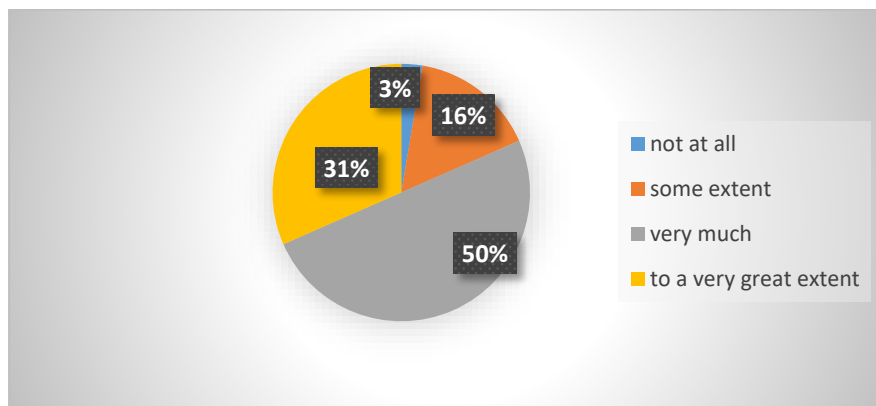
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Even Shmuel	Gat	10th	15	3	Medicine	Heart catheterization	Fluid of life	30
					Astronomy	story behind the stars		15
		11th	24	3	Medicine	Brain under pressure	מוסר כליית	48
					Astronomy	story behind the stars		24
			<b>39</b>				<b>117</b>	
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Amit Givat Shmuel	Givat Smuel	10th	26	2	Medicine	Treatment of a stab wound	Alcohol Damage	52
			<b>26</b>					<b>52</b>
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Amuna Elisheva	Pardes Hanna	9th	70	2	physics	Interaction and forces	Energy Conversions	140
		12	11	2	Medicine	See the foresight	Alcohol Damage	22
			<b>81</b>					<b>162</b>
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Amit Bar Ilan Netanya	Netanya	12	25	2	Astronomy	Star fingerprints		50
					physics	Energy Conversions		<b>50</b>
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Beit Yatziv	Beer Sheva	11th	20	3	Medicine	Ultrasound	See the foresight	60
		12	13	3	physics	Energy Conversions		39
					Astronomy	מה צופים תלמידים		
					Medicine	Heart catheterization		
			<b>20</b>				<b>99</b>	
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Beit Margalit-Netanya	Netanya	9th	42	2	chemistry	The structure of the material	Food Chemistry-Molecular Cooking	84
				1	physics	Interaction and forces		42
		10th	31	2	chemistry	The structure of the material	Food Chemistry-Molecular Cooking	62
				1	physics	Interaction and forces		31
			<b>73</b>				<b>219</b>	
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Netivot Dror	Or Akiva	10th	18	2	Medicine	Smoking damages	Heart dissection	36
			<b>18</b>					<b>36</b>
name of school	city	class	no. of students	no. of visits	Main topic	1st Lesson	2nd Lesson	total visits
Ohel Abraham	Bnei Brak	students	38	2	chemistry	Food Chemistry-Molecular Cooking		76
					physics	Interaction and forces		<b>76</b>
			<b>38</b>				<b>76</b>	
<b>Total</b>			<b>320</b>					<b>811</b>

*Feedback results:*

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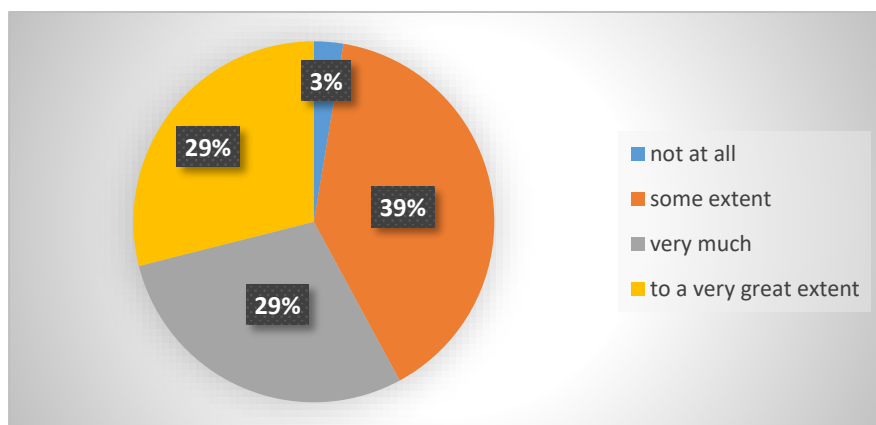
Have you learned anything new in the workshop today?

- 1- Not at all  
4- To a very great extent



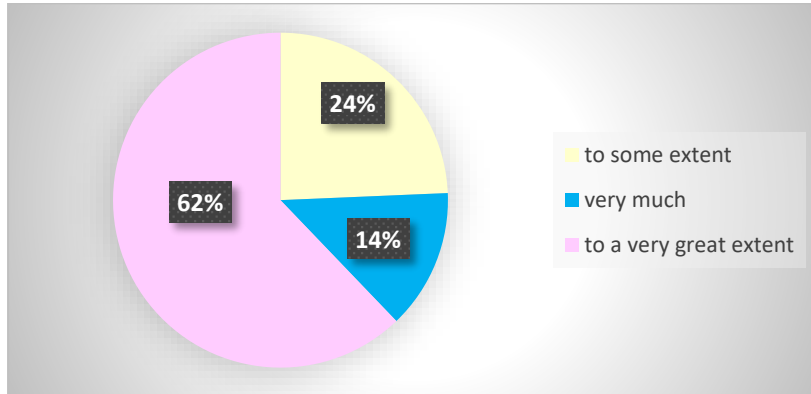
Has the lesson increased your scientific knowledge?

- 1- Not at all  
5- To a very great extent



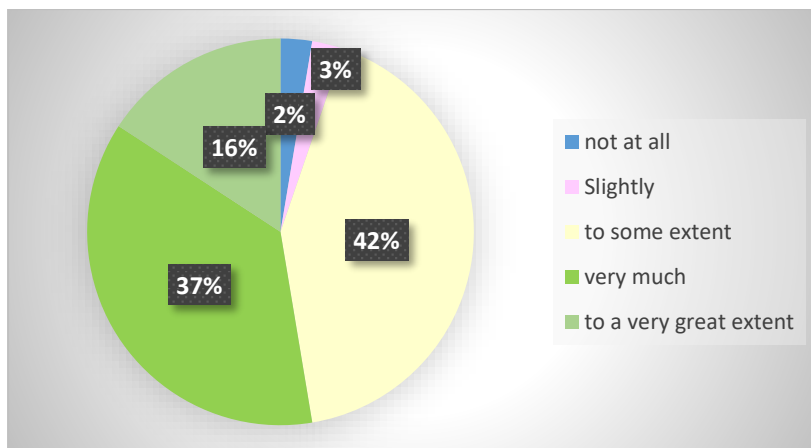
Was learning in the classroom enjoyable?

1- Not at all  
5- To a very great extent



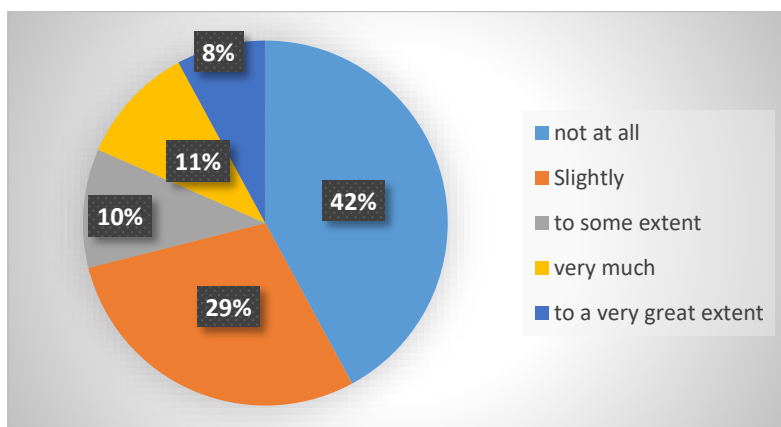
Did the lesson make you think about science in a more positive way?

1- Not at all  
5- To a very great extent



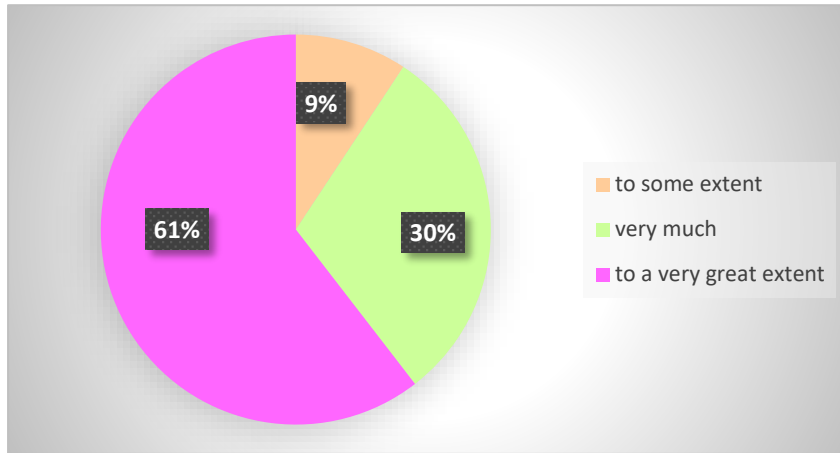
Following today's program, would you consider engage in science in the future?

1- Not at all  
5- To a very great extent



Rate the lesson in general

1- not good  
5- excellent



### *Summery:*

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These findings indicate a positive tendency of progress, and the results of the evaluation indicate exposure to new subjects, a learning experience that is different from the one they are exposed to in day-to-day studies and an increase in scientific orientation following their visits to Technoda. We highly recommend continuing to expand this program in the coming years. The program was held during the year up until March 2020.

During this time groups from various Orthodox schools and Ulpana arrived to the Technoda to learn and practice various workshops in chemistry, medicine, astronomy and more. We made a gender match between the visitors that came to Technoda and our staff- teachers.

The children took part in two sessions on topics like chemistry, physics and medicine. All learning took place in our laboratories, classrooms, and the Medical simulation unit. All workshops were held in hands-on experimental lessons.

During the process we saw how significant this program is to children and how much their desire for knowledge and practice.

Unfortunately, at the middle of March, the Technoda had to stop all programs due to the spread of corona virus, especially in the ultra-Orthodox sector. Luckily we were able to reach the demand of the program up until then.

We were very happy to receive so many positive feedbacks about the lessons the school's teachers expressed their desire to return and visit next year.

We are currently planning the next year programs, and our staff are taking contact with the schools and children who will join next year.

The main achievements during this year of activity is that we reached children that usually don't consume and are not exposed to scientific contents. The field of science is an area that is not emphasized and almost not exists in the various Orthodox educational frameworks. The number of participants was very impressive and stood at 320 children (811 visits).

- The assessment was based on feedback from students who participated in the project and were asked to fill out a questionnaire. The questionnaire had examined the following topics:
- Have you learned anything new in the workshop today?
- Has the lesson increased your scientific knowledge?
- Was learning in the classroom enjoyable?
- Did the lesson make you think about science in a more positive way?
- Following today's program, would you consider engage in science in the future?
- Rate the lesson in general

The data obtained from the questionnaire results indicate a positive trend. The evaluation results indicate exposure to new subjects, a learning experience that is different from what they are exposed to in day-to-day studies and a scientific orientation following the visits to Technoda. We recommend continuing to expand this program in the coming years.

Towards the upcoming year we are interested in:

1. Appealing to new audiences who have not yet experienced the unique learning as we offer.
2. Reaching again to those who visited us last year and continue the learning process.