



# Tohoku University STEM Summer Program (TSSP) 2024 (tentative)

WEEK 1							
	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun
AM 9:00 - 12:00		9:00-12:00 <b>Opening Ceremony &amp; Orientation</b> Welcome Speech (Vice President, Prof. Yamaguchi) Introduction to Tohoku University (Prof. Kasukabe) Orientation for Tohoku University STEM Summer Program (Profs. Watanabe, Koike) <b>Self-introduction (3 min PPT x 30=-90 min)</b> Engineering Laboratory Complex Building (C10), Lecture Room 1, Room No.101 School of Engineering (工学研究科総合研究棟講義室1, 101室) on Aobayama East Campus Aobayama Campus	9:00-12:00 Lecture and Lab Visit 1 <b>Structural Metallic Materials for Industry Innovation</b> Prof. Yoshimi Materials Science and Engineering (B01) Lecture room 1 (Room No. 101) (工学研究科材料科学棟(B01)講義室1(101室)) on Aobayama East Campus Aobayama Campus	9:00-9:30 <b>Introduction to Quntum Theory</b> Prof. Kasukabe 9:30-11:30 <b>Challenging Experiments for Quantum Theory (1)</b> Prof. Kasukabe Student Laboratories (A06) on Kawauchi Campus Kawauchi Campus	8:50-11:30 Lecture and Lab Visit 2 <b>Introduction to aircraft design</b> Prof. Abe Conference Room, 2nd Floor, 1st Building (C09) Institute of Fluid Science (流体科学研究所、第1棟2階会議室) on Katahira Campus Katahira Campus	9:00-12:00 <b>Paper Aircraft Competition 1</b> Prof. Moriya Creative Engineering Center (D02) 創造工学研修センター-on Aobayama East Campus Aobayama Campus	
	Arrive in Sendai	Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)
PM 13:00 - 16:00		13:30-15:30 <b>Campus Tour with TU students</b> (14:00-14:30 IEHE Lounge)	13:00-16:00 <b>Japanese Culture 1 Japanese Flower Arrangement (Kadou)</b> Prof. Chen Education and Student Support Center (A01), 4F Main Conference Room (教育学生総合支援センター 4階大会議室) on Kawauchi Campus Kawauchi Campus	12:30-14:30 <b>Challenging Experiments for Quantum Theory (2)</b> Prof. Kasukabe 14:30-16:00 <b>Group Work of Challenging Experiments for Quantum Theory</b> Student Laboratories (A06) on Kawauchi Campus Kawauchi Campus	13:00-16:00 <b>Interactive Japanese Language</b> <b>Instructors: Ms. Backley &amp; Ms. Mikoda</b> <b>Introducing yourself and getting to know Japanese people</b> Aobayama Commons (J41) Lecture Room No. 8 & 10, School of Agricultural Science (農学研究科青葉山 commons 第8及び第10講義室) on Aobayama New Campus Aobayama Campus	13:00-16:00 <b>Paper Aircraft Competition 2</b> Prof. Moriya, Prof. Watanabe & Prof. Koike Creative Engineering Center (D02) 創造工学研修センター-on Aobayama East Campus Aobayama Campus	

WEEK 2							
	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun
AM 9:00 - 12:00		9:00-12:00 Lecture and Lab Visit 3 <b>Secrets of the Japanese swords</b> Prof. Ohuchi Engineering Laboratory Complex Building (C10), Lecture Room 1, Room No.101 School of Engineering (工学研究科総合研究棟講義室1, 101室) on Aobayama East Campus Aobayama Campus	9:00-18:00 <b>Field Trip (Shiroishi (Castle) and Sword Smith Workshop)</b>	9:00-12:00 Lecture and Lab Visit 5 <b>Robotics for Space Exploration</b> Prof. Yoshida Lecture Room no.4, Lecture Room Building-M.E (A02) on Aobayama East Campus (機械系講義棟(青葉山キャンパスA02)第4講義室) Aobayama Campus	9:00-12:00 Lecture and Lab Visit 7 <b>Nonverbal Information to Enrich Future Telecommunication</b> Prof. Kitamura M531, RIEC Main building (G10) on Katahira Campus (電気通信研究所本館5階 M531 セミナー室、片平キャンパス) Katahira Campus	9:00-12:00 Lecture and Lab Visit 8 <b>Borrowing ideas from nature: from anti-cancer therapeutics to adaptive network design</b> Profs. Sasaki and Levias Engineering Laboratory Complex Building (C10), Lecture Room 1, Room No.101 School of Engineering (工学研究科総合研究棟講義室1, 101室) on Aobayama East Campus Aobayama Campus	
		Lunch (with TU students)		Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)	Lunch (with TU students)
PM 13:00 - 16:00		13:00-16:00 Lecture and Lab Visit 4 <b>Use of cyclotron in science, technology, and medicine</b> Prof. Itho, Prof. Tashiro, Prof. Furumoto & Prof. Adachi Lecture Room (2nd floor of Molecular Imaging Building(G12)), Cyclotron and Radioisotope Center (CYRIC) (分子イメージング棟(G12) 2階講義室、サイクロトロン・ラジオアイソトープセンター、北青葉山キャンパス) on Aobayama North Campus Aobayama Campus		13:00-16:00 Lecture and Lab Visit 6 <b>Research Expedition in Antarctic Waters</b> Prof. Okoshi Aobayama Commons (J41) Lecture Room No. 1, School of Agricultural Science (農学研究科青葉山 commons) on Aobayama New Campus Aobayama Campus	13:00-16:00 <b>Interactive Japanese Language</b> <b>Instructors: Ms. Backley &amp; Ms. Mikoda</b> <b>Shopping and ordering food and drinks</b> Aobayama Commons (J41) Lecture Room No. 8 & 10, School of Agricultural Science (農学研究科青葉山 commons 第8及び第10講義室) on Aobayama New Campus Aobayama Campus	13:00-16:00 <b>Japanese Culture 2 Japanese Martial Arts (Aikidou)</b> Prof. Fujino Kawauchi Sub Arena, 3rd Floor (B05) (川内サブアリーナ棟3F) on Kawauchi Campus Kawauchi Campus	

