

	M	T	W	T	F	Topic	Content	Activities	Assignment	Remark/Resources
1A	9/9	10/9	4/9	5/9	6/9	1. Subject Introduction 2. 3D Computer Graphic (1)	<ul style="list-style-type: none"> ▪ Introduction of the teaching syllabus ▪ Subject regulations ▪ Subject related activities ▪ Concept of constructing 3D computer graphic--Introduction to <Sketchup 8> ▪ Basic 2-D drawing tools 	<ul style="list-style-type: none"> ▪ Drawing practise 	<ul style="list-style-type: none"> ▪ 2-D graphic exercises 	<ul style="list-style-type: none"> ▪ Presentation file ▪ Students learning file ▪ Worksheet ▪ Web-resources
1B	11/11	12/11	13/11	21/11	15/11					
2A	16/9	17/9	11/9	12/9 26/9	13/9	3D Computer Graphic (2)	<ul style="list-style-type: none"> ▪ From 2-D to 3-D a. Projection and subtraction b. Revolution c. Shells d. Fillets of corners 	<ul style="list-style-type: none"> ▪ Drawing practise 	<ul style="list-style-type: none"> ▪ 3-D graphic exercises 	<ul style="list-style-type: none"> ▪ Worksheet
2B	18/11	19/11	20/11	28/11	22/11					
3A	23/9	24/9	18/9	3/10	19/9 * 27/9	3D Computer Graphic (3)	<ul style="list-style-type: none"> ▪ Interception of components ▪ Apply textures 	<ul style="list-style-type: none"> ▪ Drawing practise 	<ul style="list-style-type: none"> ▪ 3-D robot design 	<ul style="list-style-type: none"> ▪ Worksheet
3B	25/11	26/11	27/11	5/12	29/11					
4A	30/9	8/10	2/10	10/1 0	4/10	3D Computer Graphic (4)	<ul style="list-style-type: none"> ▪ 3-D animation ▪ Editing and producing video file 	<ul style="list-style-type: none"> ▪ Design practise 	<ul style="list-style-type: none"> ▪ 3-D robot animation 	<ul style="list-style-type: none"> ▪ Worksheet
4B	2/12	3/12	4/12	12/1 2	6/12					
5A	7/10	15/1 0	9/10	17/1 0	11/10	3D Computer Graphic (5)	<ul style="list-style-type: none"> ▪ Virtual reality and computer control method ▪ Use of <Sketch Physics> a. Linear motions b. Rotary motions c. Different types of joints 	<ul style="list-style-type: none"> ▪ Design practise 	<ul style="list-style-type: none"> - 	<ul style="list-style-type: none"> ▪ Worksheet ▪ Web-resources
5B	9/12	10/12	11/12	19/1 2	13/1 2					
6A	21/10	22/10	16/1 0	7/11	18/1 0	3D Computer Graphic (6)	<ul style="list-style-type: none"> ▪ Virtual Robot design 	<ul style="list-style-type: none"> ▪ Design practise 	<ul style="list-style-type: none"> ▪ Design project 	
6B	16/1 2	17/1 2	18/1 2	2/1 16/1	17/1					

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7A	4/11	5/11	6/11	14/11	8/11	Robot Design (1)	<ul style="list-style-type: none"> ▪ Mechanical structure and Principles <ul style="list-style-type: none"> a. Linkages b. Lever ▪ Six-legs robot assembling 	<ul style="list-style-type: none"> ▪ Experiments ▪ Workshop Realization 	<ul style="list-style-type: none"> ▪ Robot outlook design ▪ Design folio 	<ul style="list-style-type: none"> ▪ Learning kits 																																																																																																																		
7B	20/1	21/1	22/1	23/1	24/1						8A	27/1	28/1	12/2	13/2	14/2	Robot Design (2)	<ul style="list-style-type: none"> ▪ Connection of electronic components ▪ Basic craftsmanship ▪ Production of the mechanical body 	<ul style="list-style-type: none"> ▪ Workshop Realization 	<ul style="list-style-type: none"> ▪ Assembled model 	<ul style="list-style-type: none"> ▪ Worksheet ▪ Electronic components 	8B	17/3	18/3	9/4	3/4	28/3	9A	10/2	11/2	19/2	20/2	21/2	Robot Design (3)	<ul style="list-style-type: none"> ▪ Production of the mechanical body ▪ Outlook Design and Production 	<ul style="list-style-type: none"> ▪ Workshop Realization ▪ Experiments 		<ul style="list-style-type: none"> ▪ Worksheet ▪ Wired control components 	9B	24/3	25/3	7/5	10/4	4/4	10A	17/2	18/2	5/3	27/2	28/2	Robot Design (4)	<ul style="list-style-type: none"> ▪ Production of the mechanical body ▪ Outlook Design and Production 	<ul style="list-style-type: none"> ▪ Workshop Realization 	<ul style="list-style-type: none"> ▪ Mechanical base 	<ul style="list-style-type: none"> ▪ Worksheet ▪ Wireless control components 	10B	7/4	8/4	14/5	8/5	9/5	11A	26/2*	25/2	12/3	13/3	6/3*	Robot Design (5)	<ul style="list-style-type: none"> ▪ Wired control connection 	<ul style="list-style-type: none"> ▪ Experiments ▪ Workshop Realization 	<ul style="list-style-type: none"> ▪ Outlook design 	<ul style="list-style-type: none"> ▪ Worksheet ▪ Computer controlled components 	11B	12/5	13/5	21/5	15/5	16/5	12A	3/3	4/3	19/3	20/3	14/3	Robot Design (6)	<ul style="list-style-type: none"> ▪ Wireless Controlled robot ▪ Realization of design project 	<ul style="list-style-type: none"> ▪ Workshop Realization 			12B	19/5	20/5	28/5	22/5	23/5	13A	10/3	11/3	26/3	27/3	21/3	Robot Design (7)	<ul style="list-style-type: none"> ▪ Realization of design project 	<ul style="list-style-type: none"> ▪ Workshop Realization 	<ul style="list-style-type: none"> ▪ Final solution 	-	13B	26/5	27/5	4/6	29/5	30/5	14	9/6	3/6 10/6	11/6	5/6 12/6	6/6 13/6	Competition	<ul style="list-style-type: none"> ▪ Class Competition ▪ Self-evaluation ▪ Course evaluation 	<ul style="list-style-type: none"> ▪ Competition 	<ul style="list-style-type: none"> ▪ Self-evaluation 	<ul style="list-style-type: none"> ▪ Self-evaluation form 	
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