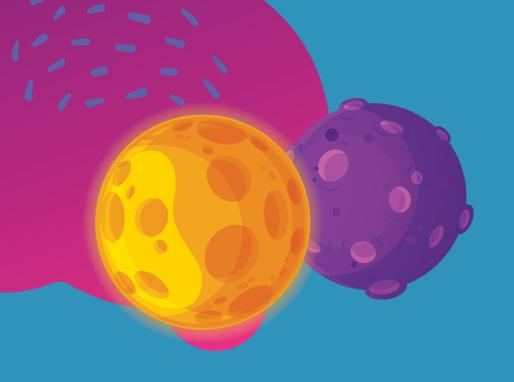
NovaLearn After-School Program





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NovaLearn Limited is an education technology company accelerating the digital transformation of learning by empowering students as digital leaders through 21st-century STEAM interest-based skills, curated resources designed by accredited educators and industry specialists, and a customizable online school management system.

我们的使命

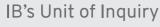
NovaLearn Limited 是一家教育科技公司,通过传授21世纪 STEAM 兴趣为本的技能,采用由IB认可的教育家及业界专家策划的课程,以及使用可订制的学校管理系统,让学生成为电子时代的领袖,促进学习的数码转型。

NovaLearn Academic Identity

NovaLearn adopts a <a href="https://www.nybrid.com/hybr

Curriculum Methodology







IB's Learning Cycle

Curriculum Approach







STEAM Curriculum 我们的 STEAM 课程



STEAM curriculum that is STEM.org* accredited, created by IB-certified teachers & aligns with international curricula

由 STEM.org* 认证的STEAM课程, 由国际文凭教师策划并对应国际课程



Cambridge Assessment English (UK) CEFR Level A1 - C2



HSK (China) Level 1 - Level 5



Stanford Design School (US) Kindergarten - Grade 5



NGSS (US) Kindergarten - Grade 5



IB PYP / IB MYP

MYP English Language Acquisition,
PYP Science Scope & Sequence,
PYP Arts Scope & Sequence



National Core Arts Standards (US)

Kindergarten - Grade 5

STEM.org is the longest-standing STEM education research and credentialing organization in the US.

STEM.org 是美国历史最悠久的 STEM 教育研究和认证机构

NovaClass

Digital STEAM ASA/CCA/ECA 电子 STEAM 课后活动

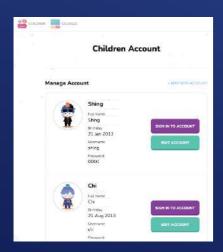
- 10-12 weeks programs: English, Art, Science, Future-Ready
- Complete with lesson plans, resources & worksheets
- Tech support, facilitator training
- Aligns with school curriculum
- 10-12 周课程: 英文, 艺术, 科学, 生命未来学
- 连同课程计画、学习资源、工作纸
- 技术支援、教师培训
- 与学校课程一致



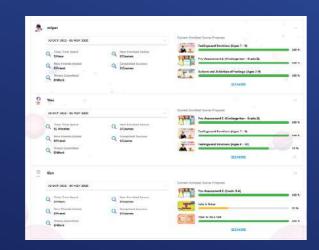
Supplement in-classroom teaching 补充课堂教学



After-school workshops & programs 课后工作坊&活动



Student management 学生管理



Analytics 学生管理

More than 65 edutainment courses – with new courses every week!

超过65个娱乐教材课程 — 每周都有新课程!





NovaLearn After-School Program

Description

This after-school program covers English, Arts & Crafts, Science, and Future-Ready skills. It's a self-paced online STEAM program designed by experienced IB teachers in different subjects. All courses are designed to develop students' communication, research, social, thinking, and self-management skills with the core of engaging students with real-world applications.

Platform

https://www.novalearn.org/

Facilities

Hardware: iPad. computer

General Supplies: Journal notebook, lined paper, white paper, paint, brushes, pencils, scissors, erasers, markers, colored pencils, glue sticks

Special Supplies for some courses:

- Nova Crafteria: glue, construction paper, used box, toilet paper rolls, tapes, carboard, bottle caps, straws
- Elements of Art: toy, paint (red, blue, yellow, white, black)
- Force: play dough
- Culture and Identity in Art: used newspaper and magazines, any printed images

Program Outline

Courses in This Program:

- 1. English Pre-Assessment
- 2. Internet Safety and Technology Awareness
- 3. Feelings and Emotions (Ages 8-10)
- 4. Nova Crafteria
- 5. The Science of Curiosity
- 6. Family Members and Relatives (Ages 8-10)
- 7. Elements of Art
- 8. Forces
- 9. Kid-preneur
- 10. Friends and Friendship (Ages 8-10)

Extra Courses:

- 1. Our Environment
- 2. Culture and Identity in Art

Learning Objectives



Future Ready

- · Learn how to avoid computer viruses.
- Know how to keep private information safe online.
- Understand what online cyberbullying is.
- Follow the processes and techniques skillfully and inventively.
- Understand what an entrepreneur is and get familiar with all the steps before starting a business.
- Be able to transform a hobby into a business idea.



7 A

Science

push and pull.

non-living things.

nvironment.

• What are the elements of art?

• Make observations using the senses.

• Weight affects force and movement.

• Effect shape has on movement and force.

• The environment is made up of living and

• We are responsible for taking care of our e

• Living things need natural resources to survive.

• Identify many objects in our daily lives that we

- How do we use the seven elements of art?
- Formulate an artistic investigation of personally relevant content for creating art.
- Elaborate visual information by adding details in an artwork to enhance emerging meaning.
- Create works of art that reflect community cultural traditions.
- Develop a work of art based on observations of surroundings.
- Explore and invent art-making techniques and approaches.

English

- Recognize and spell vocabulary related to feelings and emotions, family members, and friendship.
- Understand familiar everyday expressions about familiar topics.
- Understand the main points and content of an audio book.
- Read short, rehearsed statements/texts.
- Find and understand the key and detailed information in the text.
- Read nonfiction texts with a good level of comprehension.
- Write a short paragraph with simple sentences to introduce family members.
- Write a very brief recipe using the standard recipe format.
- Write about personal experiences with some details in simple connected text.

IB Skills Covered

- **Social Skills** Respecting others, accepting responsibility
- Thinking Skills Acquisition of knowledge, comprehension, analysis, evaluation, application
- Communication Skills Listening, reading, writing
- Self -Management Skills Time management, safety, fine motor skills, gross motor skills
- Research skills Formulating questions, observing, collecting and analyzing data, presenting

#1 Course Outline

Subject: English	Grade: 2-3	Duration: 30 Minutes
Course Name:	Pre-Assessment #1	
Course Description:	This assessment is at a similar lever test. It's designed for Grade 2 native English proficiency students. The and 1. Look and Read 2. Listen to the Conversation 3. Read the Story 4. Listening Comprehension 5. Reading Comprehension	e speakers and Grade 3 low
Standard:	 CEFR Level A1 High - A2 Low Can understand and use familial very basic phrases aimed at the concrete type Can introduce him/herself and questions about personal detail people he/she knows, and thing Can interact in a simple way proslowly and clearly and is prepared 	others and can ask and answer Is such as where he/she lives, gs he/she has ovided the other person talks
Objectives:	 Understand the students' Engli Help arrange the students into Keep the data to measure students 	the appropriate groups during ASA
IB Skills Covered:	 Thinking Skills – Comprehension Self-Management Skills – Time Communication Skills – Listeni 	management
Materials:	iPad/Computer	

#1 Course Outline

Subject: English	Grade: 3-4	Duration: 30 Minutes
Course Name:	Pre-Assessment #2	
Course Description:	This assessment is at a similar level test. It's designed for Grade 3 native language learners. The assessment 1. Read the Article 2. Listen to the Conversation 3. Read the Story 4. Listening Comprehension 5. Reading Comprehension	e speakers and Grade 4 English
Standard:	 CEFR Level A2 - B1 Low Can understand sentences and related to areas of most immed Can communicate in simple and simple and direct exchange of routine matters Can describe in simple terms a immediate environment, and making basic need 	diate relevance d routine tasks requiring a information on familiar and spects of his/her background,
Objectives:	Understand the students' EnglHelp arrange the students intoKeep the data to measure stud	the appropriate groups during ASA
IB Skills Covered:	 Thinking Skills – Comprehension Self-Management Skills – Time Communication Skills – Listenion 	management
Materials:	iPad/Computer	

IB Theme: How the World Works

#2 Course Outline

Subject: Future Ready	Grade: 3-5	Duration: 25 Minutes
Course Name:	Internet Safety and Technology Aw	vareness
Course Description:	An interesting online life can be full of hidden dangers. The devices you use to get on the internet can be dangerous as well. In this course, students will learn with Helios how to properly use devices and stay safe online.	
Standard:	21st century skills taught by subjec	ct-matter experts.
STEAM Related Subjects:	Technology	
Objectives:	 Know how to properly treat electronic devices Understand what online cyberbullying is Learn how to avoid getting computer viruses Know how to keep private information safe online 	
Connection to UOI:	This course is an inquiry into the impact of scientific and technological advances on society and the environment.	
IB Skills Covered:	 Thinking Skills – Acquisition of knowledge Self-Management Skills – Safety Social Skills – Respecting others 	
Key Vocabulary:	device, cyberbullying, viruses, privacy, honest	
Materials:	iPad/Computer	

IB Theme: How We Express Ourselves

#3 Course Outline

Subject: English Language Learning	Grade: 3-5	Duration: 45 Minutes
Course Name:	Feelings and Emotions (Ages 8-10)
Course Description:	In this course, students will learn alongside Helios from Miss Krista about familiar everyday expressions. They will read short stories and feel the characters' feelings through the whole story. Students get a chance to practice writing simple phrases and sentences to express their own feelings.	
Standard:	 IB Language Acquisition Phase CEFR A2 Listening A2 - Can catch the massages and announcements Reading A2 - Can understand matters which consists of high Writing A2 - Can write simple is linked with simple connectors Oral Production and Interaction announcements on familiar top 	nain point in short, clear, simple s short, simple texts on familiar frequency words solated phrases and sentences n A2 - Can deliver short, rehearsed
STEAM Related Subjects:	Art	
Objectives:	everyday situationsRead short, rehearsed stateme	nd emotions in the most common ents/texts and sentences to express feelings
Connection to UOI:	This course is an inquiry into the weexpress feelings.	vays in which we discover and
IB Skills Covered:	 Thinking Skills – Acquisition of Communication Skills – Listeni Self-Management Skills – Time Research Skills – Formulating of 	ing, reading, writing e management
Key Vocabulary:	afraid, surprised, embarrassed, dis jealous, confused, annoyed, wonde	
Materials:	iPad/Computer, lined paper and p	encil, markers/colour pencils

IB Theme: How We Express Ourselves

#4 Course Outline

Subject: Art	Grade: 3-5	Duration: 60 Minutes
Course Name:	Nova Crafteria	
Course Description:	In this course, students will learn how to write artistic letters, as well as how to make a bouncy animal, nameplate, paper leaves, skyscrapers, and paper mache! Students use their imagination to create their own works of art. They'll need various tools and any materials they have at home.	
Standard:	21st century skills taught by subjec	ct-matter experts.
STEAM Related Subjects:	Art	
Objectives:	 Be able to use materials to crea Follow the processes and techn 	,
Connection to UOI:	This course is an inquiry into the w their creativity.	ays students extend and enjoy
IB Skills Covered:	 Thinking Skills – Acquisition of Self-Management Skills – Fine 	
Key Vocabulary:	artistic letter, bouncy animal, name	eplate, skyscrapers
Materials:	iPad/Computer, glue stick, pencil, construction paper, paint, brushes, Special materials for each active Bouncy animals: general materials Artistic letters: colored pencils Skyscrapers: used box, toilet paper Nameplate: carboard, bottle caps, so Paper leaves: general materials	glue rity: r roll, tapes

IB Theme: How the World Works

#5 Course Outline

Subject: Science	Grade: K-2	Duration: 50 Minutes
Course Name:	The Science of Curiosity	
Course Description:		
Standard:	Next Generation Science Standard Scientific Investigations Use a Vari • Scientists use different ways to	ety of Methods
STEAM Related Subjects:	Science	
Objectives:	 What is science? – asking ques Making observations using sen How to make observations out Writing in a field journal 	ses
IB Skills Covered:	 Thinking Skills – Analysis, evaluation Skills – Listenia Research Skills – Observing, corpresenting 	ng, writing, presenting
Key Vocabulary:	science, curiosity, observations, qu	estion
Materials:	Computer, pencil, journal noteboo	k, colors

IB Theme: Who We Are

#6 Course Outline

Subject: English Language Learning	Grade: 3-5	Duration: 50 Minutes
Course Name:	Family Members and Relatives (Ages 8-10)	
Course Description:	In this course, students get to know Krista's family members and Helios' family story. The challenges not only sharpen the students' knowledge about family members, but also builds students' understanding of generosity, community, and service to others.	
Standard:	 IB Language Acquisition Phase 3-4 CEFR A2 Listening A2 - Can generally identify the topic of discussion around them when it is conducted slowly and clearly Reading A2 - Can understand short, simple texts containing the highest frequency vocabulary Writing A2 - Can write about everyday aspects of their family using linked sentences 	
STEAM Related Subjects:	Art	
Objectives:	 Recognize and spell vocabulary related to family members Understand the questions from short recordings about family members Understand the main points and content of an audio book about family members (their relationship, and sharing and caring) Ask and answer questions to exchange information about family members Read a factual text on families with satisfactory level of comprehension Write a short paragraph with simple sentences to introduce family members 	
Connection to UOI:	This course is an inquiry into the na including families.	ature of human relationships,
IB Skills Covered:	 Thinking Skills – Acquisition of knowledge, comprehension Communication Skills – Listening, reading, writing Self-Management Skills – Time management Social Skills – Accepting responsibility 	
Key Vocabulary:	mother, father, sister, brother, daug grandfather, wife, husband, parent children, grandparents, grandchild cousin, granddaughter, grandson, r daughter-in-law, brother-in-law, ste stepbrother, stepson, stepdaughter	ren, aunt, uncle, niece, nephew, mother-in-law, father-in-law, epfather, stepmother, stepsister,
Materials:	iPad/Computer, lined paper and pe	encil, markers/colour pencils

IB Theme: How We Express Ourselves

#7 Course Outline

Subject: Art	Grade: 3-5	Duration: 60 Minutes
Course Name:	Elements of Art	
Course Description:	In this course, students will join Anjourney to learn about the building art. Students will explore the differ an expert in art!	blocks that artists use to make
Standard:	Exploring and Creating - Explore the Reasoning and Reflection - Develor refine artistic abilities	
STEAM Related Subjects:	Art	
Objectives:	 Students will learn what the ele Students will be able to know helements of art 	
Connection to UOI:	This course is an inquiry into the w their creativity.	rays students extend and enjoy
IB Skills Covered:	 Thinking Skills – Acquisition of Self-Management Skills – Fine 	
Key Vocabulary:	element, line, horizontal, vertical, o geometric, organic, form, length, w sional, colour, hue, value, intensity,	idth, depth, space, three-dimen-
Materials:	iPad/Computer, toy, pencil, eraser, white, black)	paper, paint (red, blue, yellow,

IB Theme: How the World Works

#8 Course Outline

Subject: Science	Grade: K-2	Duration: 55 Minutes
Course Name:	Forces	
Course Description:	In this course, students will understand that force is nothing but a push or a pull. They will learn that running, closing the door, or opening a water bottle all need just the right pull or push. This course also covers gravity and how much push or pull is needed to move an object based on its shape and weight.	
Standard:	Next Generation Science Standard Plan and investigate to compare to different directions of pushes and	he effects of different strengths or
STEAM Related Subjects:	Science, Art (Fine Arts)	
Objectives:	 Force is a push and pull. If we do not exert force on objection manipulate them. To identify many objects in our All movement is caused by push Weight affects force and move Effect shape has on movemen Concept of gravity. 	r daily lives that we push and pull. shing and pulling. ment.
IB Skills Covered:	 Thinking Skills – Analysis, eval Communication Skills – Listen Research Skills – Observing, copresenting 	ing, writing, viewing, presenting
Key Vocabulary:	force, push, pull, motion, heavy, lig gravity	ht, weight, shape, movement,
Materials:	Computer, paper, pencil, play dou	gh, colors

IB Theme: How We Express Ourselves

#9 Course Outline

Subject: Future Ready	Grade: 3-5	Duration: 50 Minutes	
Course Name:	Kid Preneur		
Course Description:		In this course, students will learn the essentials of a business. They will learn how to build a business by following their passions.	
Standard:	21st century skills taught by subjec	ct-matter experts.	
STEAM Related Subjects:	Depending on students' business p STEAM subject.	Depending on students' business plans, it could be any STEAM subject.	
Objectives:	 Understand what an entrepreneur is Be able to transform a hobby into a business idea Become familiar with all the steps needed before starting a business Be prepared with resources 		
Connection to UOI:	This course is an inquiry into the ways in which we discover and express ideas, as well as how we reflect on, extend, and enjoy our creativity.		
IB Skills Covered:	 Thinking Skills – Acquisition of knowledge, comprehension, analysis Communication Skills – Listening and writing Self-Management Skills – Time management Research Skills – Formulating questions, planning 		
Key Vocabulary:	entrepreneur, product, service, passion, business, resource, customer		
Materials:	iPad/Computer, lined paper, pencil, worksheets Worksheets: Create your own company What's your passion? Let's come up with some ideas! Who might your customers be? Finishing your business plan		

IB Theme: Who We Are

#10 Course Outline

Subject: English Language Learning	Grade: 3-5	Duration: 45 Minutes	
Course Name:	Friends and Friendship (Ages 8-10)	
Course Description:	standard format. They will also buil	In this course, students make their own reports based on the standard format. They will also build up a deep understanding of friends and friendship through analyzing a variety of scenarios.	
Standard:	satisfactory level of compreher Writing A2 - Can write very brie	lentify the topic of discussion ted slowly and clearly erstand relevant information in the rual texts on familiar subjects with assion	
STEAM Related Subjects:	Art		
Objectives:	of Friends • Recognize words related to frie common everyday situations	nd detailed information in the text ends and friendship in the most nd content of an audio file - Friends the standard recipe format	
Connection to UOI:	This course is an inquiry into the n including friends.	ature of human relationships,	
IB Skills Covered:	 Thinking Skills – Acquisition of evaluation, application Communication Skills – Listeni Self-Management Skills – Time 	ng, reading, writing	
Key Vocabulary:	happy, happiness, funny, fun, kind, dishonest, smiley, smile, gentle, ge impatient, helpful, trust, count on, l	ntleness, brave, patient, patience,	
Materials:	iPad/Computer, lined paper and pe	encil, markers/colored pencils	

IB Theme: Sharing the Planet & How the World Works

Extra Course #1 Outline

Subject: Science	Grade: 3-5	Duration: 60 Minutes
Course Name:	Our Environment	
Course Description:	In this course, students explore the similarities and differences between living and non-living things, and learn that living things have needs such as water, food, and air in order to survive. Students learn the importance of being responsible in caring for their environment.	
Standard:	Next Generation Science Standard Interdependent Relationships in Editoria Environment Living things need water, air, and relive in places that have the things resources for everything they do. (2-LS4-1. Make observations of plandiversity of life in different habitat Things that people do to live comfethem. But they can make choices the land, water, air, and other living the	resources from the land, and they they need. Humans use natural (K-ESS3-1) nts and animals to compare the s. ortably can affect the world around that reduce their impact on the
STEAM Related Subjects:	Science, Technology	
Objectives:	 The environment is made up o Trees are important componer Living things need natural reso We are responsible for taking o 	nts of our planet. ources to survive.
IB Skills Covered:	 Thinking Skills - Analysis, evaluation Social Skills - Accepting responsion Communication Skills - Listenian Research Skills - Observing, compresenting 	nsibility ing, writing, presenting
Key Vocabulary:	energy, reproduction, environmen reduce, reuse, recycle	t, oxygen, carbon dioxide, nature,
Materials:	Computer, paper, pencil	

IB Theme: How We Express Ourselves

Extra Course #2 Outline

Subject: Art	Grade: 3-5	Duration: 45 Minutes
Course Name:	Culture and Identity in Art	
Course Description:	In this course, students will discover what identity is, why artists explore this theme in their artwork, and how through art-making, we can investigate our identity and culture. Students will also discover how artists express identity by exploring their everyday lives and their family traditions, by exploring the places and environments that are important to them, and by exploring using objects as symbols of our identity.	
Standard:	 Convey meaning through the presentation of artistic work Interpret intent and meaning in artistic work Generate and conceptualize artistic ideas and work Organize and develop artistic ideas and work Refine and complete artistic work Synthesize and relate knowledge and personal experiences to make art 	
STEAM Related Subjects:	Art	
Objectives:	 Formulate an artistic investigation of personally relevant content for creating art Elaborate visual information by adding details in an artwork to enhance emerging meaning Create works of art that reflect community cultural traditions Develop a work of art based on observations of surroundings Explore and invent art-making techniques and approaches 	
Connection to UOI:	This course is an inquiry into the ware express culture, beliefs and values	ys students discover and
IB Skills Covered:	 Thinking Skills – Acquisition of kn Self-Management Skills – Fine m 	nowledge, evaluation, application lotor skills, gross motor skills
Key Vocabulary:	values, artifacts, image, culture, symbols, surrealism, collage, overlapping, mixed-media, folk art, abstract, patterns, space, observation, landscape, architecture, perspective, impressionism, still life, contour line, value	
Materials:	iPad/Computer, pencil, paper, newspimages, paint, markers	papers/magazines/printed

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After-school learning, reimagined. www.novalearn.org