

**ChinaEdu**  
弘 成 教 育



SUCCESS THROUGH LEARNING  
[www.ChinaEdu.net](http://www.ChinaEdu.net)

# ChinaEdu Corporation

November 2011

# Company Snapshot

## Company Overview

- Ticker: CEDU
- Listing: NASDAQ (December 11, 2007)
- Market cap: \$109.40M (as of Sept 13, 2011)
- Founded: 1999
- The largest online degree service provider in China
- The largest K-12 online tutoring program in China

## Vision & Mission

**Vision:** *To be China's favorite educator that brings learning opportunities to life*

**Mission:** *Changing the fundamentals of learning in China, facilitating interactive learning where students are engaged and able to experience the joys of learning.*

# Business Segments Overview

*In 5 years, ChinaEdu plans to grow consumer-driven K-12 business up to 50% of total revenue*

Online Degree Program  
80% of Revenue



Including Learning Center Business

- 311,000 Students
- 103 Learning Centers



Private Schools



Online Tutoring



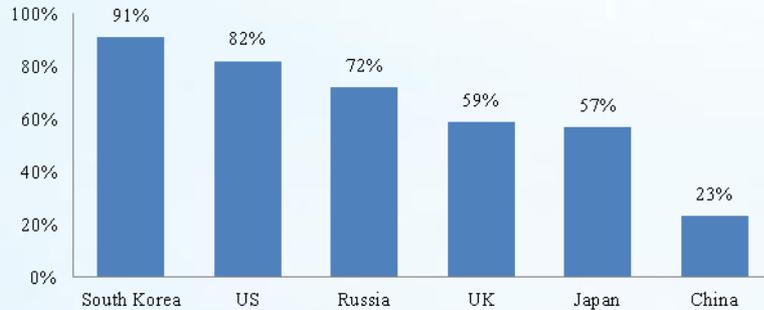
International Curriculum

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# Opportunities in Online Degree Education

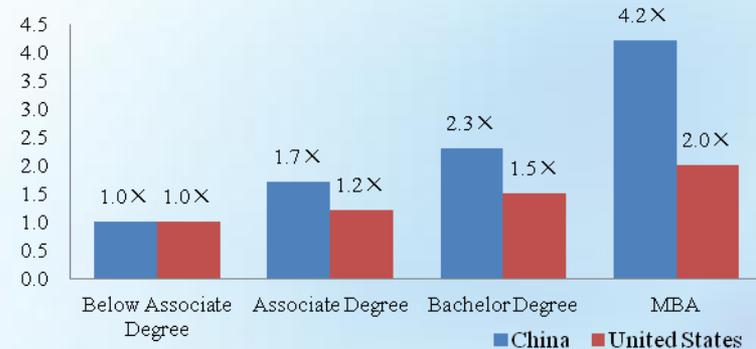
*The severe capacity gap for post secondary degrees is met with online education*

## University Enrollment Rate



Source: US NCES, PRC MOE, UNESCO Statistical yearbook

## Average Annual Salary Differentials



ChinaHR.Com, US Census Bureau

*Higher wages paid for higher education drives demand for online degree programs*

# Dominant Position in Online Degree Programs

*Top tier university partners*



*Exclusive 20-50 Year Contracts with Top Universities*

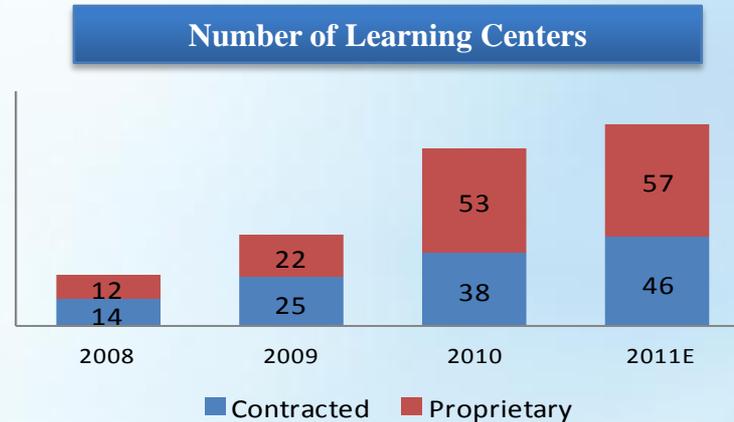


*High Barrier To Entry*

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# Expansion in Learning Center Network

*Provides recruiting and online program services for 18 top tier universities*



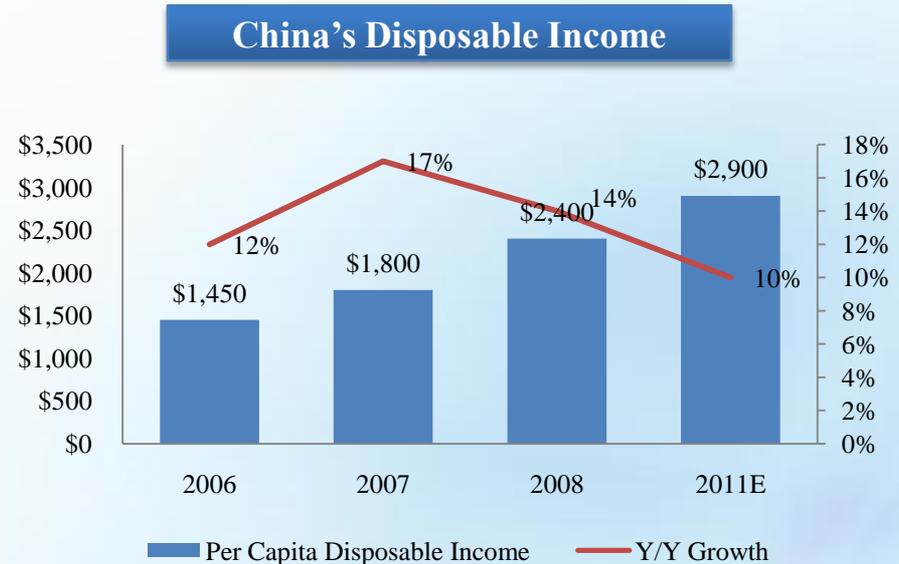
One of three operators approved by the Ministry of Education to run Learning Centers in China



# Opportunities in K-12 After-school & Tutoring Market

*Competition and purchasing power increase drives demand for K-12 Market*

- ✓ Intense competition
- ✓ One child policy – Chinese family structure
- ✓ Disposable Income Growth



*K-12 after-school market is still in its infancy, quality of teaching will be the driver*

# 101 Online School

China's first and largest K-12 online tutoring program

- Wide national footprint:
  - 500 branches and agencies
  - 30 provinces
  - 300 partner schools
  - Over 50,000 paying students in 2011
  - Over 7,500 classes content for all subjects



【例 1】如图所示， $R_1 = 4R_2$ ，开关 S 闭合时，两电流表  $A_1$  与  $A_2$  的示数之比为多大？

分析：首先弄清电流表  $A_1$  和  $A_2$  分别测量的是什么电流，然后利用并联分流的特点求解。

解答： $R_1$  和  $R_2$  是并联的，电流表  $A_1$  在干路中，而电流表  $A_2$  在  $R_2$  的支路中。

根据并联电路电流跟电阻反比得， $\frac{I_1}{I_2} = \frac{R_2}{R_1} = \frac{R_2}{4R_2} = \frac{1}{4}$ ， $R_1 = 4R_2$

$\frac{I}{I_2} = 1 + \frac{R_2}{R_1} = 1 + \frac{1}{4} = \frac{5}{4}$ ，即： $I_1 = \frac{5}{4}I_2$

所以两电流表  $A_1$  和  $A_2$  的示数之比为 5 : 4。



Over One Million Students Served!

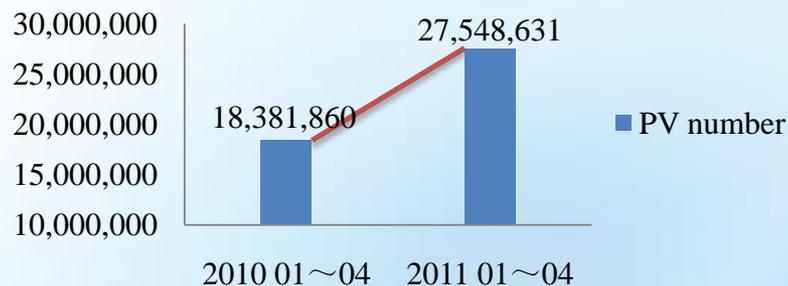
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# Progress in online tutoring services for K-12 students

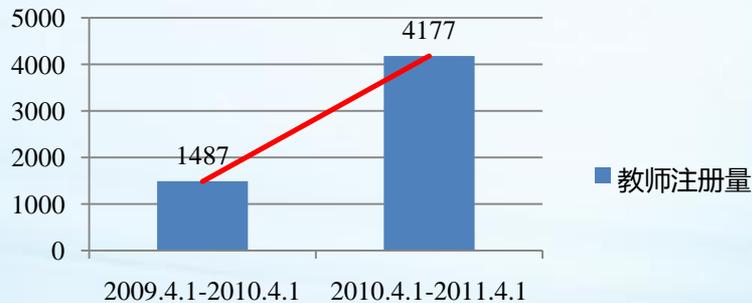
## Operating Matrix

Number of Registered Users	758,047
Number of Certified Teachers	100,447
Paid Users	710,23
The highest Single-day PV/UV	584,684/ 220,409

## Page View



## New Teachers



## 跨平台服务应用



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# 101 Online School - Progress in Interactive Q&A Services

80% of Questions Answered in 10 Min

Q&A - Recommendations

答疑中心 > 高二 > 高二数学 > 数列

**数列**

提问学员: fxbhdjxxw 问题学科: 高二数学 时间: 10-08-02 11:04 30金豆 状态: 已解答

提问时间

已知 $S_m=n, S_n=m$ , 则 $S_{m+n}$ 是多少?  
答案中设 $S_n=an^2+bn$ 是什么意思?

我来做题 查看其他人的解答 收藏

解答教师: 板板正正 解答时间: 10-08-02 11:22 解答时间快速高效

看老师空间 | 发送消息

【安装公式显示控件】

**本题考点:** 等差数列

**思路分析:** 这是等差数列的前 $n$ 项公式的结构形式特点。

**难易度:** 中

**详细解答:**  
已知 $S_m=n, S_n=m$ , 则 $S_{m+n}$ 是多少?  
答案中设 $S_n=an^2+bn$ 是什么意思?

等差数列 前知识点推荐 高二数学知识点

**等差数列 前知识推荐**

等差数列: 如果一个数列从第二项起, 每一项与它的前一项的差等于同一个常数, 这个数列就叫做等差数列; 这个常数叫做等差数列的公差, 公差常用字母 $d$ 表示。(详细)

相关知识点: 数列的概念 数列的通项公式 等比数列 数列的前 $n$ 项和 数列公式 更多>

**等差数列 前相关练习 相关练习推荐** 更多问题>

- 数列问题 [等差数列]  
数学问题:  $\{a_n\}$ 为等差数列,  $a_1 > 0, d < 0, S_n$ 为数列 $\{a_n\}$ 的前 $n$ 项和, 则 $0 < S_{10}$ 等于 $A, 4$ ...
- 等比数列 [等差数列]  
数学问题: 在等比数列 $\{a_n\}$ 中, 已知 $a_1 a_2 = 5$ , 则 $a_3 a_4 a_5 a_6$ 的结果是什么? ...
- 等差数列 [等差数列]  
数学问题: 已知等差数列: 41, 48, 44, ..., +10, 那么这个数列的前100项的和是多少? ...
- 等差数列 [等差数列]  
数学问题: 已知 $\{a_n\}$ 是等差数列, 且 $a_1 + 7a_3 + 13a_5 + \dots + (2n-1)a_{2n-1} = 4n^2 + 6n - 7$ , 则 $a_{2n} =$ ...

**数列的相关问题 相关问题推荐** 更多问题>

- 数列 [数列] [数列的应用]  
数列
- 数列 [数列] [数列的应用]  
数列问题, 例
- 数列 [数列知识]  
数列知识的方法, \*
- 数列 [数列的应用]  
数列 [数列知识]

已知数列 $\{a_n\}$ 为等差数列,  $d, a_1, a_2$ 求。

【详细解答: 板板正正】

解答时间: 10-08-02 11:20  
看老师空间 | 发送消息

【安装公式显示控件】

**本题考点:** 等差数列

**思路分析:** 这是等差数列的前 $n$ 项公式的结构形式特点。

**难易度:** 中

**详细解答:**  
已知 $S_m=n, S_n=m$ , 则 $S_{m+n}$ 是多少?  
答案中设 $S_n=an^2+bn$ 是什么意思?

**解答过程详细**

**详细解答:**  
已知 $S_m=n, S_n=m$ , 则 $S_{m+n}$ 是多少?  
答案中设 $S_n=an^2+bn$ 是什么意思?

讲解: 这源于“等差数列的前 $n$ 项和公式”的结构形式特点。  
设等差数列的公差为 $d$ , 首项为 $a_1$   
则 其前 $n$ 项和公式为  
$$S_n = na_1 + \frac{n(n-1)}{2}d = na_1 + \frac{d}{2}n^2 - \frac{d}{2}n = \frac{d}{2}n^2 + (a_1 - \frac{d}{2})n$$
  
由于 对于给定的等差数列,  $d$ 和 $a_1$ 都是常数,  
所以  $\frac{d}{2}, a_1 - \frac{d}{2}$ 也都是常数。  
所以 如果将 $\frac{d}{2}, a_1 - \frac{d}{2}$ 分别用 $a, b$ 来表示的话,

**解答评分: 30 学生满意度高**

提问学员: fxbhdjxxw 时间: 10-08-02 11:04  
我们以前没讲过这种形式, 这种说法, 什么时候用?

解答教师: 板板正正 时间: 10-08-02 11:20

此公式对任意等差数列都成立, 理论上讲都可以用。  
至于什么时候最合适用, 也很难说。  
个人体会, 当题目条件仅与“通项”与“和”密切相关时, 就可以用。  
比如: 已知 $S_5 = 20, S_{10} = 33$ , 求 $S_{15}$ 就最合适用。  
再比如: 已知 $S_3 = 12, a_1 - a_3 = 6$ , 求 $a_{20}$ 似乎就不太合适用。

**学生追问互动**

**教师继续解答**

# 101 Online School - New Interactive Product Development

**答疑网** Online Q&A

85%的问题10分钟内回答

**Interactive**



**知识点点通**

Knowledge Points  
Personalized

**知识周周练**

Weekly Practice  
Interactive

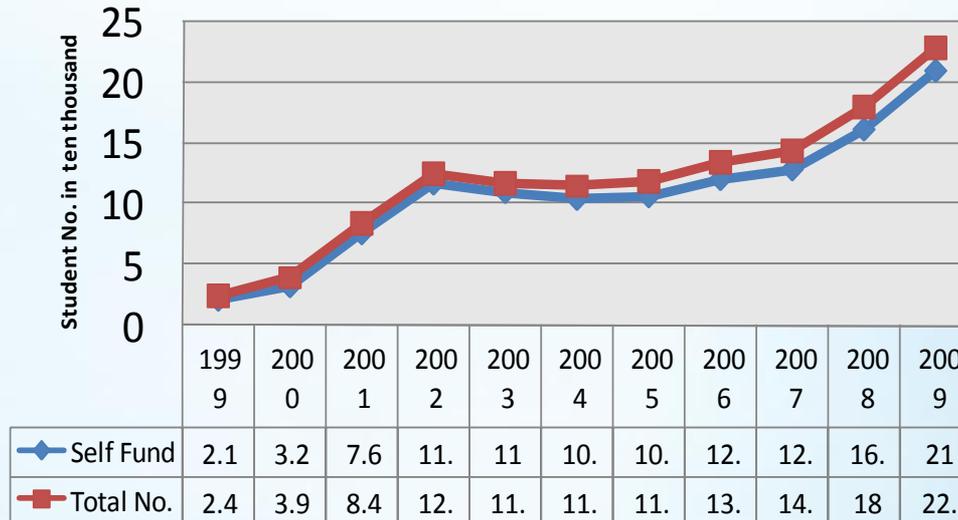
**中高考真题库** Assessment Open - UGC

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# Opportunities in Going-Abroad Study in China

*Rapid growth in study abroad drives demand in high-level services*

**Growth in No. of going abroad students**



Source: China Ministry of Education

# International Pre-College Programs

## Current Status

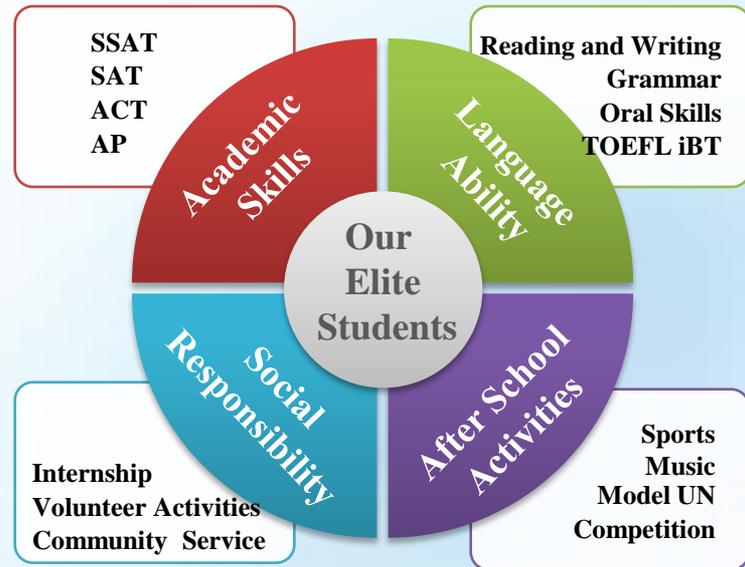
### Current China K-12 Education:

- ✓ Cram School for Standardized Tests
- ✓ Chinese National College Entrance Examination Preparation Course

### Chinese Students' Weaknesses:

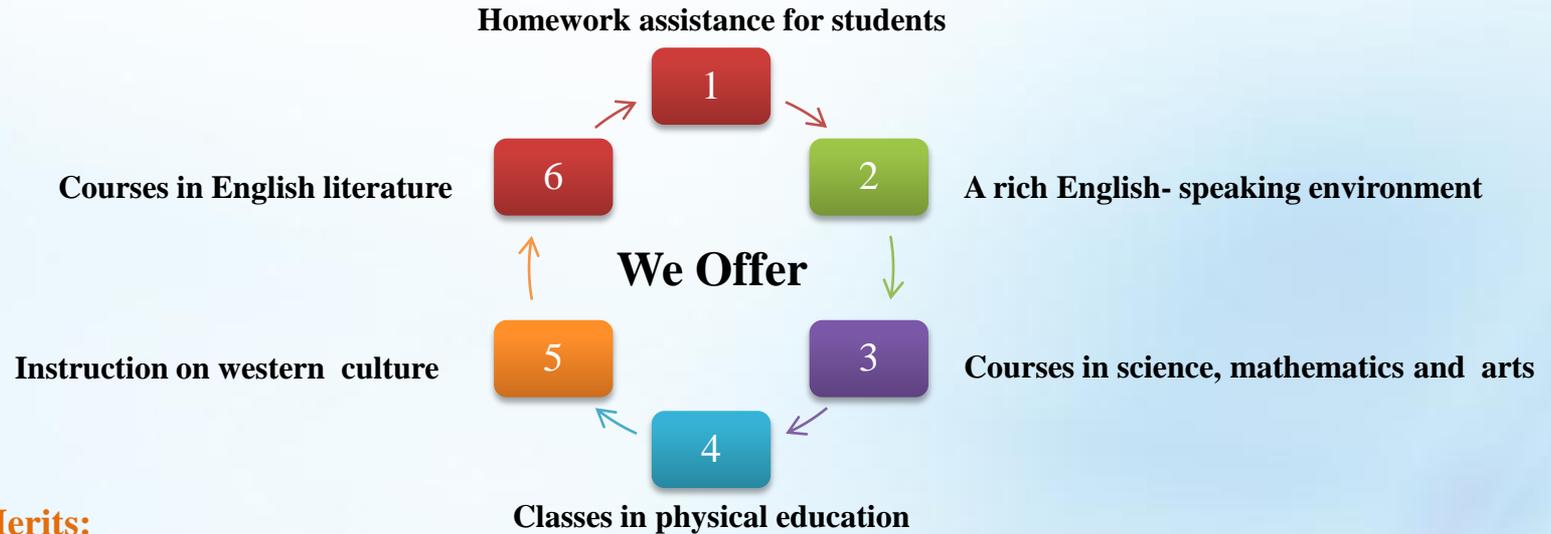
- ✓ Lack of SAT and AP exam prep courses
- ✓ Lack of understanding about U.S. educational culture
- ✓ Lack after-school activities
- ✓ Lack of knowledge of how to “market” each student in his or her U.S. university application

## Our Program



# After-school Elite Programs

To address the “latch key children” phenomenon in China



## Our Merits:

1. A safe and happy environment
2. Professional instructors
3. The first center in China

# ChinaEdu's Roadmap for Long-Term Growth



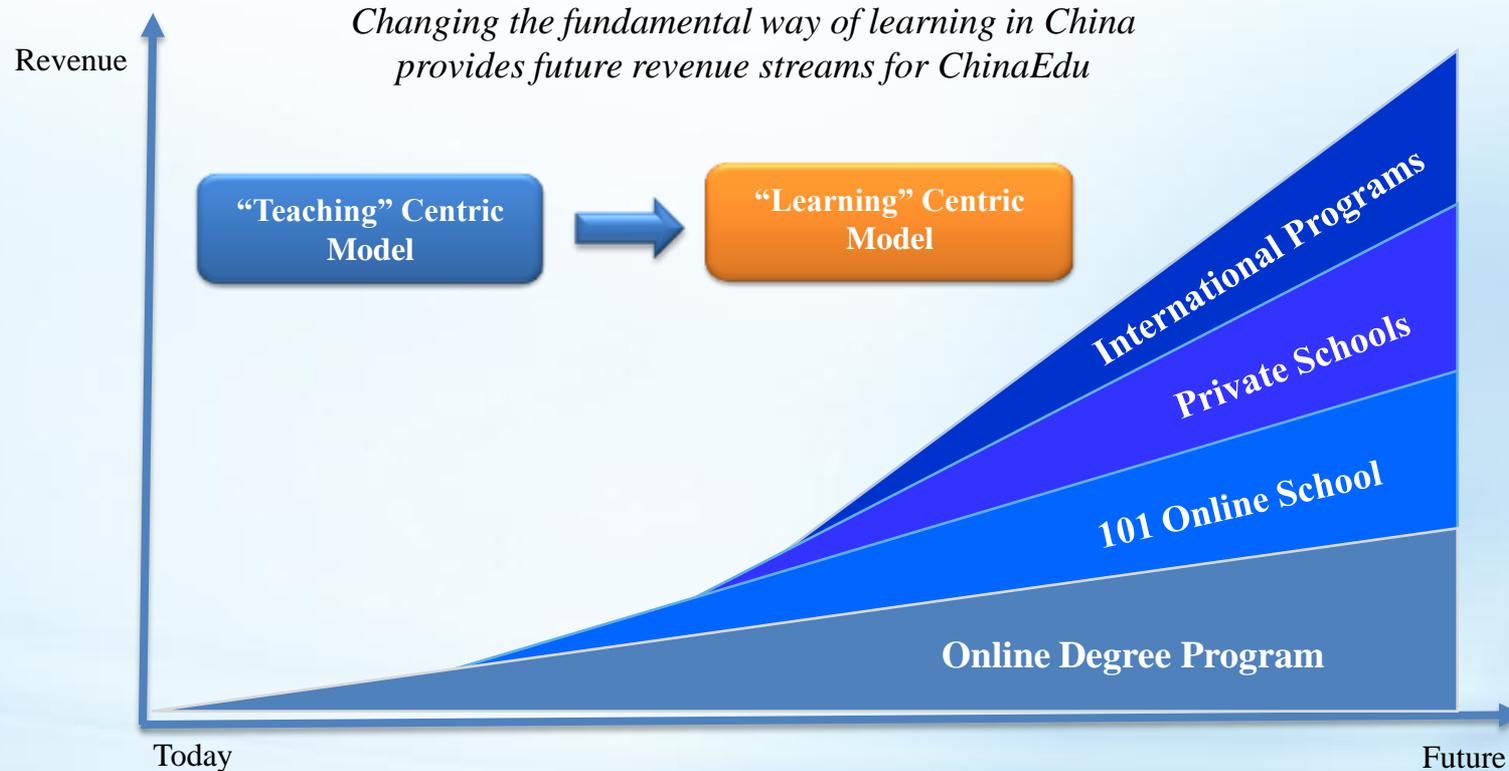
# Future Business Initiatives

*An integrated learning platform: Further enhance leading position in online education*



- ✓ Transform from vertical offerings to interactive platform
- ✓ Provide personalized tutoring services both online and offline
- ✓ Provide International & Elite Programs
- ✓ Integrate online content for mobile, tablet and web applications

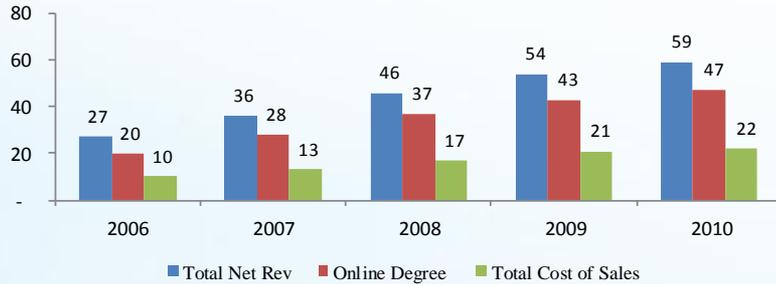
# Taking Education from 1.0 to 2.0



# Key Financial Data

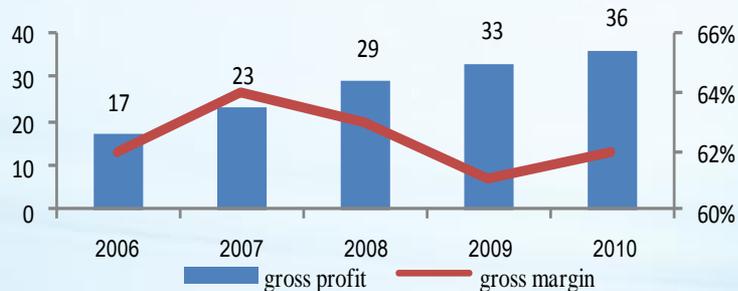
### Revenue & Cost of Sales

(\$ million)



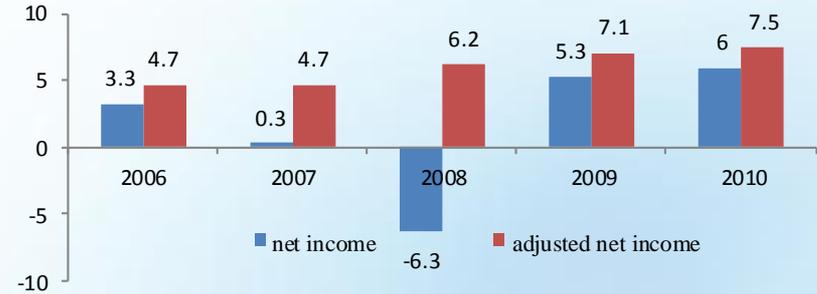
### Gross Profit & Gross Margin

(\$ million)



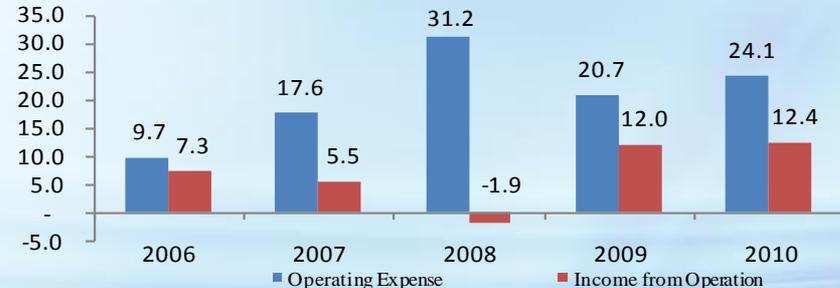
### Net Income & Adjusted Net Income

(\$ million)



### Operating expenses & Income from operations

(\$ million)

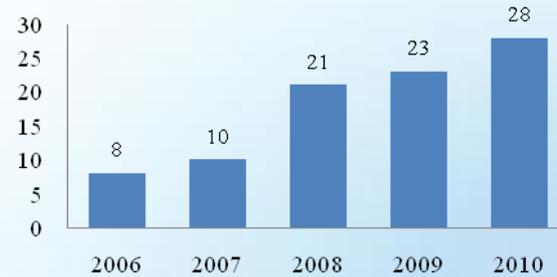


# Key Operational Data

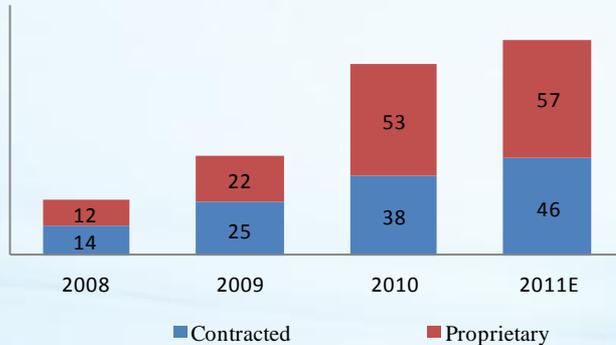
**Online Degree Program Revenue Contributing Students**



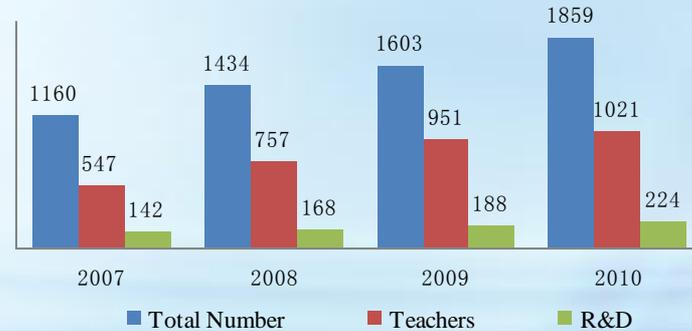
**Number of University Partners**



**Number of Learning Centers**



**Headcount**



# Asset Value

*ChinaEdu is undervalued by a wide margin*

<i>(\$ in millions)</i>	Value
Cash	\$52
Private Schools Buildings & Land (at cost)	\$18
Headquarter & JV Real Estate (CEDU portion only) (at cost)	\$17
Cash and Selected Assets	\$87
Market Cap (9/30/2011)	\$109.4

*Note : Real estate and land value acquired before 2007 were appreciated 1 to 3 times.*

## EPS and Valuation Metrics

*CEDU's stock price has remained flat while our earnings continues to grow*

(US\$)	2008	2009	2010	Sep 30, 2011
EPS diluted	\$0.20 <sup>(1)</sup>	\$0.29	\$0.34 <sup>(2)</sup>	
<i>Growth%</i>		45%	17%	
Cash	\$3.05	\$2.89	\$3.27	
Stock price <sup>(3)</sup>	\$8.55	\$5.10	\$7.57	\$6.35
P/E ex. Cash	27.5x	7.6x	12.64x	9.6x

*Note:*

- (1) Added back goodwill and intangibles impairment charge.*
- (2) 2010 diluted EPS in US\$ is translated using RMB6.6to \$1.*
- (3) Stock price is stock price at the beginning of each year*

# Trading Comparable – CEDU is Undervalued

- Given the company's leading position in online degree (high barrier to entry) and K-12 tutoring market, as well as strong footsteps in learning center network and int'l programs, the company's value is not capitalized

	CEDU	Mean	Median
Enterprise Value/Revenue 2010	1.5 x	3.1 x	3.4 x
Enterprise Value/EBITDA 2010	5.2 x	13.7 x	14.4 x

Note:

(1) From BMO Capital Market Oct. 26 2010 estimation.

(2) Trading comparable companies include New Oriental, Anhanguera, TAL education, Estacio, Embow, SEB Sistema, Raffles Education, Kroton, ChinaCast, China Distance Education, ATA, CIBT, Noah Education, Global Education & Tech

# Management Team

*Experienced management team with Sino-U.S. backgrounds*

Management	Position	Background	Years at Co.
Julia Huang	Chairman, CEO	<ul style="list-style-type: none"><li>✓ Manager, Ernst &amp; Young Management Consulting (NY)</li><li>✓ MBA, Columbia Business School</li></ul>	12
Shawn Ding	Director, President & COO	<ul style="list-style-type: none"><li>✓ CTO, Infostream Software</li><li>✓ Director of Internet Development, Automatic Data Processing, Inc.</li><li>✓ BS, Beijing University</li><li>✓ MA, New Jersey Institute of Technology</li></ul>	10
Zonglian Gu	Director, Dean of Renmin Univ. Online	<ul style="list-style-type: none"><li>✓ Professor of Renmin University</li><li>✓ BA, Renmin University</li></ul>	11
Wen Liu	VP of Technology	<ul style="list-style-type: none"><li>✓ Deputy GM, Beijing MoVision Technologies</li><li>✓ PhD, BS, Beijing University</li></ul>	6

Please visit our investors relations website at <http://ir.chinaedu.net> for additional information

Julia Huang

*Chairman & CEO*

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[ir@chinaedu.net](mailto:ir@chinaedu.net)

# Appendix

# Online Degree Service Value Chain



Working Adults



## Learning Centers

- Entrance and course exams
- Recruiting and registration
- Payment processing
- Student services
- Tutoring

## ChinaEdu

- Enrollment
- Technology platform
- Student services
- Courseware and content development
- Academic services

## Universities

- Sponsorship
- Grants degrees

# Online Degree Programs - Recruiting

## Learning Center Network

- 18 Recruiting and Technology contracts
  - ✓ Including 6 Univ. collaborative alliance partners



# Online Degree Programs – University Partners

