



# 旅美科技協會

Chinese Association for Science and Technology

## 2019 International STEAM Project Contest

Chinese Association for Science and Technology USA announces the beginning of application to the inaugural International STEAM Project Contest.

The goal of the contest is to promote science and technology education, promote self-study and practice of mathematics, art, science and engineering knowledge and skills, and promote team work, communication and presentation skills among youth through building and showcasing their independently created technology projects and products.

The projects will be judged by scientists and technology experts. 20 selected finalists will be invited to attend CASTUSA 2019 Global Innovation Summit to be held in Pittsburgh on Oct. 12, 2019. There will be prizes for the winners and all finalists will have designated session to meet and chat with Nobel Prize winners, distinguished scientists and entrepreneurs at the conference.

**Type of projects:** Innovative devices, robots, computer software, crafts, art & science crosslink projects.

### **Requirement for projects:**

1. Innovative: created and developed independently by applicant(s), IP right owned by applicant(s)
2. Practical: can be applied to real life situations
3. Language: English

### **Timeline for application:**

1. Application Deadline: Sept. 15, 2019
2. Finalist announcement: Sept. 22, 2019

**Requirement for participants:**

1. Must be between Grade 7 and Grade 12 in Fall 2019 semester for US participants (please provide proof)
2. In equivalent age group internationally (provide proof).

**Application Form:**

1. Fill out the form online and pay application fee (Scan the QR code to pay).
2. Send personal bio with photos, project demo slides and video to [STEM.CASTUSA@gmail.com](mailto:STEM.CASTUSA@gmail.com), with project name on the subject line.



**Required application materials:**

1. Detailed project description
2. Demo video (2 minutes)
3. Presentation slides
4. Other supporting materials

**Application Fee:** \$50 (A local sponsor offered free application for applicants from Greater Pittsburgh region)

**Score Criteria for STEM Project:**

1. Original/Innovativeness: 25%
2. Practicality: 25%
3. Economic Value: 25%
4. Presentation: 25%

**Procedure:**

1. Presentation/Demo: 5 minutes, 3 minutes Q&A
2. Display: poster; device; robot; craft; software

**Prize:**

1. Gold Medal (1): \$1000
2. Silver Medal (2): \$500
3. Bronze Medal (7): \$200
4. Innovation Award (10) \$100



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## 2019 国际青少年科技艺术项目展示竞赛

### 活动宗旨：

通过征集，评比青少年（7 年级到 12 年级）个人和集体自主创作的科技与艺术项目，20 个优异项目团队将被邀请参加 10 月 12 日在匹兹堡举行的旅美科技协会年会暨 2019 年全球创新峰会展示，并获得与诺贝尔奖得主，图灵奖得主，杰出科学家企业家闭门交流的机会，激发促进青少年对科技和艺术的兴趣，培养自主学习和实践的能力，锻炼团队协作组织能力和演讲沟通能力。

### 项目类别：

科学实验与发现（论文），创新装置；机器人；计算机应用程序；手工产品，以艺术体现科学的交叉跨界作品（科幻类文创，影视视频，绘画等）。

### 项目要求：

1. 创新：自主研究，开发，知识产权归属提交人
2. 实用：有实用价值
3. 语言：英文/中文

### 参与者年龄类别：

1. 北美 2019 秋季 7 年级至 12 年级学生
2. 年龄对等的国际学生

### 报名方法：

1. 网上填表并且 scan QR code 支付申请费。
2. Email: 发送附带照片的个人简介，项目介绍，PPT，演示视频至 STEM.CASTUSA@gmail.com，在标题上请标注项目名字



### 提交材料:

1. 项目详细描述
2. 演示视频（2分钟）
3. 演示 PPT
4. 其它辅助材料

### 报名截止日期:

1. 9月15日报名截止
2. 9月22日发通知给决赛入围项目

**报名费用: \$50**（本地一位赞助商为匹兹堡地区报名者提供免费报名）

### 科技类项目评分标准:

1. 创新性: 25%
2. 实用性: 25%
3. 经济价值: 25%
4. 陈述: 25%

### 在线路演决赛流程:

1. **陈述:** 每个项目代表陈述5分钟, 答辩3分钟
2. **展示** (展示场地): 论文墙报; 创新装置; 机器人; 手工产品; 计算机程序演示;
3. **发奖:**  
选项一: 10/12 在匹兹堡举行的2019年全球创新峰会颁奖晚宴上  
选项二: 10/5 在上海举行的颁奖典礼

### 奖项:

1. 金牌 ¥ (\$1000) (1名)
2. 银牌 ¥ (\$500) (2名)
3. 铜牌 ¥ (\$200) (7名)
4. 创意奖 (\$100) (10名)