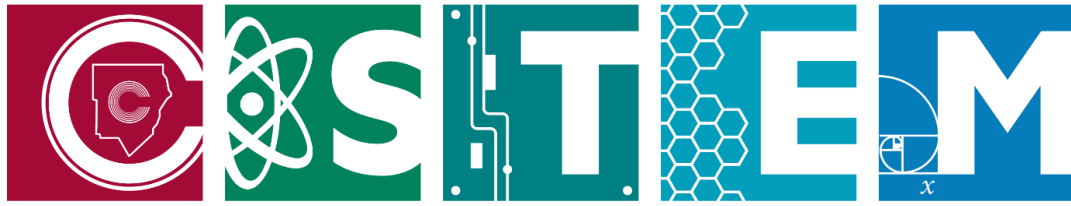


# COBB DISTINGUISHED EDUCATOR



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## Cobb STEM Distinguished Educator Awards Program

2018-2019

### Purpose:

The Cobb STEM Distinguished Educator Awards are designed to recognize exceptional K-12 teachers in the Cobb County School District who have made a commitment to meaningfully implementing STEM (Science, Technology, Engineering and Mathematics) in their classroom.

*Teachers may use their work for this award to upload as evidence into the TKES platform.*

### Guidelines:

Teachers are given a choice of activities they may complete to earn points. Activities/artifacts are loaded into an electronic portfolio and then verified by the CCSD STEM & Innovation Department Committee. **Submissions for any of the award levels are due May 1, 2019.** *Activities submitted for points must have been completed within the last 18 months prior to the due date.* A committee reviews the portfolios over the summer, and awards are given once per year, in August.

*Teachers who previously earned an award and wish to upgrade their award level within the three-year validity period may do so. Please **add on to your original portfolio with a new section/folder labeled "Upgrade Documentation."** Ensure that your original portfolio of evidence is still viewable.* Submit the application linked on the following page. Your upgrade will be considered after May 1<sup>st</sup> and awarded in August the following school year.

### Eligibility:

Participants must be certified, K-12 teachers in the Cobb County School District.

If earned, award designations are valid for three school years, then re-application is required. Upon re-application, a new portfolio must be submitted with new artifacts that meet the original criteria guidelines described in this packet.

#### **Submission:**

- Create some type of electronic portfolio that can be shared. A recommended method is using O365's OneNote notebook to organize your portfolio by categories (Professional Learning, Integration, etc.) and Code Numbers (PL-1, PL-2, etc.). When uploading files, **please be sure to include the Code number of the artifact in the file name so that it is easily identifiable to the review committee.** The use of folders (by categories) is requested if using Google Drive or something similar. **When submitting your link, be certain your link is accessible by "ANYONE." Do not "share" it with any specific person's name, because a committee TBD reviews the portfolios over the summer. Please test your link before submitting.**
- **Once you are ready for the STEM & Innovation Department to review your portfolio (by May 1, 2019),** complete this brief award application: <https://goo.gl/forms/U2jRWiB1oG1DjkZu2>

#### **Award Levels:**

- **Bronze (350 badge points):** Teacher will be recognized on the STEM website, receive a certificate for framing and a Cobb STEM Distinguished Educator logo to use beneath their name/email signature.
- **Silver (550 badge points):** Teacher will receive all benefits from Bronze level as well as a Cobb STEM lanyard and a Cobb STEM decal for their laptop.
- **Gold (750 badge points):** Teacher will be receive all benefits from Silver level as well as their choice of a STEM Cobb lab coat or STEM Cobb tool belt.
- **Top Point Earner:** Teacher will be receive all benefits from Gold level as well as a Sphero robot (or similar STEM resource) and receive a trip to a GA educator conference of their choice.

## **Activities**

#### Notes:

- To earn an award, a teacher must complete at least 1 activity from a minimum of 4 of the 6 categories that follow.
- **Each code (see chart) listed in each category can only be counted once in a school year.**

## Professional Learning

| Code | Criteria   | Points                    | Evidence   |
|------|--|---------------------------|--|
| PL-1 | Attend a non-mandatory <b>local</b> math, science, CTAE, or STEM professional learning conference.   | 25                        | Copy of certificate of completion/proof of participation<br>OR photos of you at the event.   |
| PL-2 | Participate in Cobb's STEM Innovation Academy (4 dates required throughout the year).  | 100 total<br>(25 per day) | Verified by STEM & Innovation Department.  |
| PL-3 | Attend a STEM-related presentation at a <b>state</b> , <b>regional</b> , or <b>national</b> professional learning conference.  | 25                        | Copy of certificate of completion/proof of participation<br>OR photos of you at the event with identifying features in the background. |
| PL-4 | Conduct a STEM-related presentation/workshop at a <b>district</b> , <b>regional</b> , <b>state</b> , or <b>national</b> conference.  | 50                        | Copy of conference program.  |
| PL-5 | Earn a math or science endorsement from an accredited institution (this is typically earned by elementary teachers and is different from certification areas for grades 6-12).<br><i>Note: This activity alone automatically qualifies you for the Bronze level award!</i> | 350                       | Copy of teaching certificate showing endorsement.  |
| PL-6 | Complete the National Certificate for STEM Teaching program.<br><i>Note: This activity alone automatically qualifies you for the Bronze level award!</i>   | 350                       | Verified by STEM & Innovation Department   |
| PL-7 | Propose your own PL activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval).   | TBD                       | TBD  |

## Integration

| Code | Criteria  | Points | Evidence  |
|------|---|--------|---|
| I-1  | Create an integrated STEM or PBL lesson that can be shared with other teachers across the district. <i>You must use the existing lesson plan template, found at link below. Please also review <a href="#">STEM lesson guidelines</a> to ensure you are meeting expectations.</i> <ul style="list-style-type: none"> <li>• <a href="http://www.stemcobb.com/k-5-stem-lessons.html">http://www.stemcobb.com/k-5-stem-lessons.html</a></li> </ul> | 25     | Submit your plan to the STEM & Innovation Department for feedback/review. |
| I-2  | Implement the (above) lesson and create a video showing implementation that can also be shared with other teachers.   | 50     | Submit your video.  |

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|-----|--|-----|--|
| I-3 | Provide evidence of differentiated student STEM tasks/products that meet the needs of a variety of learners (English language learners, advanced learners, students with disabilities, etc.)   | 25  | Student work samples/photos showing differentiated products. |
| I-4 | Create an integrated <b>STEAM</b> lesson which meaningfully implements <a href="#">fine arts standards</a> (dance, music, theatre, or visual). <i>You must use the existing lesson plan template, found at link below. Please also review <a href="#">STEM lesson guidelines</a> to ensure you are meeting expectations.</i> <ul style="list-style-type: none"> <li><a href="http://www.stemcobb.com/k-5-stem-lessons.html">http://www.stemcobb.com/k-5-stem-lessons.html</a></li> </ul> | 25  | Submit your lesson plan.                                     |
| I-5 | Propose your own Integration activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval).  | TBD | TBD  |

### Business/Community Partnerships

|      | Criteria  | Points                    | Evidence   |
|------|---|---------------------------|--|
| BC-1 | Conduct a STEM activity with a business/community/post-secondary partner.   | 25                        | Submit photos or videos of activity and provide a brief description. |
| BC-2 | Collaborate with a business partner to develop an authentic, real-world lesson for students based upon the role of that business in the community.  | 25                        | Submit lesson plan and name/email of business partner.               |
| BC-3 | Seeks out and establishes a partnership within the community.   | 25                        | Submit documentation of partnership.                                 |
| BC-4 | Participate in a teacher externship program with a local STEM business/industry.  | 25-50 depending on length | Submit documentation of participation.                               |
| BC-5 | Propose your own Partnership activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval). | TBD                       | TBD  |

### Student Participation

| Code | Criteria  | Points | Evidence  |
|------|---|--------|---|
| SP-1 | Sponsor a STEM-related club/team at your school (ex: robotics, Science Olympiad, etc.). | 100    | Submit documentation of club meetings (agendas, photos of members, etc.). |
| SP-2 | Take your sponsored team to a regional competition.                                     | 25     | Submit documentation of participation in regional event.                  |

|      |   |     |   |
|------|---|-----|---|
| SP-3 | Organize and run a STEM-related fair at your school.  | 75  | Submit documentation of event.  |
| SP-4 | Create/sponsor a STEM club targeting underrepresented groups in STEM fields. <ul style="list-style-type: none"> <li>Ex: <a href="#">Girls Who Code</a></li> </ul>                                   | 50  | Submit documentation of club meetings (agendas, photos of members, etc.). |
| SP-5 | Engage class in a semester or year-long citizen science project or PBL activity.  | 50  | Submit documentation of project.  |
| SP-6 | Involve your class in a STEM-related experience such as GA STEM Day or Hour of Code.  | 25  | Submit documentation such as registration and photos of event.            |
| SP-7 | Propose your own Student Participation activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval). | TBD | TBD   |

### Leadership

| Code | Criteria   | Points | Evidence   |
|------|--|--------|--|
| L-1  | Provide outreach to teachers <i>within</i> your school seeking to increase STEM expertise.   | 25     | Submit documentation of correspondence and contact information of mentee.                                  |
| L-2  | Provide outreach to teachers from <i>other</i> schools seeking to increase STEM expertise.   | 25     | Submit documentation of correspondence and contact information of mentee(s).                               |
| L-3  | Submit a proposal to Cobb Tank 2018 (Application due date 10/26/18): <a href="http://cobbtank.com/">http://cobbtank.com/</a>   | 25     | Verified by STEM & Innovation Department.  |
| L-4  | Write a blog post or article for potential posting on the <a href="#">CCSD STEM website</a> .  | 50     | Submit blog post/article draft to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> |
| L-5  | Propose your own leadership activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval). | TBD    | TBD  |

### Technology Integration

| Code | Criteria   | Points | Evidence   |
|------|--|--------|--|
| TI-1 | Demonstrates effective use of technology in the classroom where students are <i>producers/creators of STEM digital content</i> (Examples: student-created video, app, portfolio, etc.) | 25     | Samples of students' electronic work from <i>throughout the year</i> .                           |
| TI-2 | Create and maintain a classroom blog where students post and/or respond to on a regular basis throughout the year.   | 50     | Link to blog submitted at end of school year showing yearlong/ongoing participation by students. |

|      |  |     |  |
|------|--|-----|--|
| TI-3 | Integrate technology effectively when delivering STEM lessons.   | 25  | Photos/videos of you using technology during lesson with thorough description. Must provide at least 3 examples. |
| TI-4 | Propose your own Technology Integration activity to <a href="mailto:tania.pachuta@cobbk12.org">tania.pachuta@cobbk12.org</a> (this must be done PRIOR to application due date for advance approval). | TBD | TBD  |