RUBRIC: BLOCK CODE CREW

From DPOJ to Finalist Online Interviews to Service Team in STLP State Championship Playground Area (Robot World)
Individual Student Event
Division Level(s): 9-12

Block Code Crew is new for the 2018-19 STLP year. Students from primary grades to college use different tools to explore, create and share digital creations while developing crucial 21st century skills. Students that are comfortable with advanced block coding will have the opportunity to demonstrate their skills during State Championship as a part of a team that rotates to assist visitors in Robot World. To apply, students will submit a short video demonstration of their ability to effectively and efficiently explain the concepts of block coding to their peers.

Block Code Crew gives students an opportunity to display their ability to the large audience that State Championship provides and to interact with students across the state, encouraging others to explore and create with block coding and answering questions as needed.

Students will:

- Participate in an interactive demonstration introducing students to block coding as a volunteer in Robot World during State.
- Interact with their own peers to demonstrate their knowledge of block coding across multiple platforms.

Judging will be done based in 2 rounds. First, finalists will be selected as part of the DPOJ event. Then, finalists will be interviewed via live video conference prior to the State Championship. Top students will be invited to represent Robot World on Block Code Crew at State.

What the STLP Coordinator/Teacher should do:

- Share and discuss the rubric with students
- Determine which students should apply for this category (i.e. students who demonstrate an understanding of block coding software, are excited about creating digital projects using block coding and can help others).
- Plan for the student to submit a video during DPOJ in January
- Coordinate for online video interview for any Finalists
- Practice interviewing skills with students

What the student should do:

- Review the rubric
- Prepare a 1 to (no longer than) 3 minute video that demonstrates knowledge of block coding
- Demonstration will show student created block coding projects (exhibiting range of understanding of the blocks and features of block coding software / applications). Video should include evidence that the student can effectively communicate to others about block coding.
- Prepare to answer questions such as features commonly available in block coding software / applications, programming terms (such as looping and sequence) and helping others. Practice interviewing skills.

What judges will do:

- Review video submissions based upon the rubric. Judges may additionally interview the student via live video conference.

ONLINE JUDGING	CRITERIA	POINTS
Access	The video is viewable online	0 5
Knowledge / Skills	Can create projects using block coding	0 1 2 3 4 5
	Can troubleshoot block-based programming languages	0 1 2 3 4 5
	Can effectively communicate to others about block coding	1 2 3 4 5 6 7 8 9 10
	Knows a wide range of block coding features (conditions, variables)	1 2 3 4 5 6 7 8 9 10
Instructional Demonstration	Video should capture an instructional demonstration of block coding to one or more students within K-12.	1 2 3 4 5 6 7 8 9 10
	Instructional demonstration should emphasize student creativity and a range of understanding of code blocks and features. Included in the code is a minimum of: • 1 conditional statement • 1 variable statement • 25 lines	1 2 3 4 5 6 7 8 9 10
	Video includes screen captures: • A minimum of 1 screen capture of the code used in demonstration. • A minimum of 1 screen capture of the code being built.	1 2 3 4 5 6 7 8 9 10
Attribution / Permission	All non-original media and content is only used with appropriate attributions, license, and/or permissions from the content owner. All content/media are school appropriate	0 5
Video Length	Video is 1 to 3 minutes in length	0 5
Video Credits	All content/media and contributors are appropriately cited in credits. (Reference Attribution/Permission to for any non-original content)	0 1 2 3 4 5
Video Planning	Preplanning: Clear purpose; well organized	1 2 3 4 5 6 7 8 9 10
Video Quality	Video shows planned shots and good editing; includes steady shots (use of tripod)	0 1 2 3 4 5
	Voice quality is good; can be heard/understood very clearly; internal and external microphones were used as needed	0 1 2 3 4 5
	TOTAL SCORE OUT OF 100	